



High Purity HGH Peptide ACE-031 1mg/Vial For Muscles Growth

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-ACE-031
- Minimum Order Quantity: 5box
- Price: US \$ 260-280 / box
- Packaging Details: 1mg/vial, 10vials/box
- Delivery Time: 3-5 work days after your payment
- Payment Terms: , Western Union, T/T
- Supply Ability: 3000kg/Month



Product Specification

- Name: Peptide ACE-031
- Purity: 99%
- Appearance: White Powder
- Alias: ACVR2B
- Specification: 1mg/vial
- Shelf Life: 2 Years
- Highlight: **HGH peptide ACE-031 for muscle growth, High purity ACE-031 1mg vial, ACE-031 peptide with 1mg dosage**



More Images



Product Description

High Purity Human Growth Hormone Peptide ACE-031 1mg/Vial For Muscles Growth



Basic Information Form of Peptide ACE-031

Peptide Name	Peptide ACE-031
Appearance	White Powder
Purity	99%
Alias	ACVR2B
Specifications	1mg/vial, 10vials/box
Stability	2 years

What Is Peptide ACE-031

This is a protein that's being investigated to determine if it can be used for therapeutic purposes for building muscle and enhancing the strength of test subjects. It does this by allowing molecules to bind to cell surface receptors – this is also where it signals through. These cell surface receptors are known as Activin Receptor Type IIB, also known as ActRIIB. ACE-031 is a recombinant fusion protein that is produced when a portion of the ActRIIB receptor and a part of the standard antibody are joined together. This then creates a decoy version of ActRIIB that circulates and eliminates proteins like GDF-8 (also known as myostatin) and other molecules that limit the muscle's strength or growth.

How the ActRIIB Sends Signals and Promotes Muscle Growth

The proteins in the TGF- β superfamily are used to regulate muscle growth. These act as the on and off switch for the production of muscles. In order to stop muscle growth, several molecules, such as GDF-8, intermingle with the ActRIIB receptor, which stops the production of muscle. When these off switches aren't present, the muscle increases in mass radically.

Studies Using ACE-031 for Building Muscles

When ACE-031 was administered to test subjects, it showed that it helps to promote muscle growth and inhibit signaling from ActRIIB receptors. ACE-031 then binds together with other proteins that use the ActRIIB receptors to signal a limitation to muscle growth. Once bonded with these proteins, ACE-031 stops communication with the ActRIIB, which then allows muscles to increase in size. Since ACE-031 stops certain proteins from sending signals through the ActRIIB, its effect on lean muscle exceeds those of just myostatin alone.

When used on test subjects, ACE-031 shows growth of lean muscle and increased strength over test subjects that haven't been treated with the protein. This has been used on healthy test subjects and those with diseases related to muscle wasting and weakness.

For research involving skeletal muscle building, a single dose of ACE-031 was administered to test subjects. In two weeks, over two pounds of muscle was developed in those test subjects. It was also noted that the ACE-031 decreased leptin and increased adiponectin, which altered the biomarkers of fat metabolism and the formation of bone. It also changed resorption due to the decreased CTX and increased BSAP. The side effects of ACE-031 doses of different levels were mild or transient. No serious adverse effects were seen. Some of the adverse effects that were witnessed in test subjects included bleeding from the nose, signs of a headache and reactions at the injection site. The half-life of ACE-031 is 12 days, according to research.

DUCHENNE MUSCULAR DYSTROPHY (DMD)

Duchenne muscular dystrophy is a fatal genetic disorder that is characterised by a gradual weakening of muscle strength and functions, due to genetic mutations. This leads to worsening of skeletal muscles and results in non-functional scar and fatty tissue. Duchenne muscular dystrophy patients experience a relentless decline in muscular strength, which spoils their ability to breathe, walk and live independently. This obscure disease affects boys and occurs in 1 out of every 3,500 male births, is estimated that there are more than 100 000 patients in the USA only.

PERFORMED CLINICAL TRIALS AND ACE-031 RESULTS

In ACE-031 phase I clinical trials started in September 2008, 48 Duchenne muscular dystrophy patients were involved. In the primary outcome measure the safety and tolerability of the ACE-031 were estimated. After administering once for 29 days by subcutaneous injection with doses of 0.02 to 3 mg/kg to boys with DMD, the muscle volume has increased by 3.5% when compared to 0.2% in placebo patients.

In the secondary outcome measure, pharmacokinetic (PK) and pharmacodynamic (PD) effects of the ACE-031 were evaluated. In phase II clinical trials started in April 2010, a total of 24 subjects treated for a period of 12 weeks were enrolled into the study; 18 received ACE-031 and 6 placebo.

The pharmacodynamic effects of ACE-031 treatment were assessed by a battery of motor function test that included the 6-Minute Walk Test, the 10-Minute Walk/Run Test, the 4-Stair Climb Test and the Gower Maneuver (GW). Muscle strength was assessed by hand-held myometry and fixed system testing. Body composition (i.e., spine BMD, lean mass, and fat mass) was assessed by whole body and lumbar spine DXA scans. Pulmonary function was assessed by forced vital capacity (FVC), maximal inspiratory pressure (MIP) and maximal expiratory pressure (MEP).

ACE-031 safety was evaluated through observation of the incidence and severity of adverse events. ACE-031 was generally well-tolerated, not associated with serious or severe adverse events. But the study was stopped after the second dosing regimen due to potential safety concerns of epistaxis and telangiectasias.

Product Image of Peptide ACE-031



The Benefits Of Peptide ACE-031

Can help in patients with a symptom of neuromuscular diseases, promising Duchenne muscular dystrophy treatment
Significantly helps in the development and maintenance of muscles
Strong anabolic & anti-catabolic effects, preventing muscle loss
Reduction of excess body fat

ACE-031 POSSIBLE SIDE-EFFECTS

In clinical trials were observed during treatment with ACE-031 by some participants these side effects:

Pain or irritation at the injection site
Nasal bleeding
Gum bleeding
Widespread blood vessels
Increased body temperature

However, most of these side effects have completely disappeared after discontinuation of treatment and ACE-031 use. Between words: It turns out that muscles are not only undergoing rapid growth but also blood vessels.

Package and Shipping of Peptide ACE-031

Package: 1mg/vial, 10vials/box

Shipping: With 3-5 days after your payment



FAQ of Peptide ACE-031

Q1: Do you Accept Sample Order?

A: Yes. The smallest order we accept is one box.

Q2: Do you accept VISA business credit card?

A: Yes. VISA business credit card is in our payment.

Q3: How long does it take to me if I order?

A: About 3-5 days upon receipt of payment.

Q4: Is there any discount?

A: Yes, if you want to purchase larger quantity, we can offer a better price for you.

Q5: What kind of transportation do you have?

A: We have many ways of transportations, eg: Air, Sea, Special Lines, TNT, FEDEX, EMS, ect.



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