

## IGF-I/Somatamedin C/IGF-IA, Mouse, Recombinant

货号: PCK018

产品信息

别名 Somatamedin C, IGF-IA 展® | Pricella

物种 Mouse

表达宿主 E.coli

序列信息 MGPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFR

SCDLRRLEMYCAPLKPTKAA with polyhistidine tag at the C-terminus.

检索号 P05017.2

分子量 8.61 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce MCF-7 cells proliferation. The ED50 for this effect

is <2 ng/mL. The specific activity of recombinant mouse IGF-I is >5 x  $10^5$  IU/mg.

产品特性

纯度 pricella >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon

> reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1% BSA,10%FBS,5%HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH

8.0.

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## 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100  $\mu$ g/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

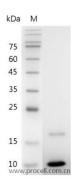
## 背景介绍

Insulin-like growth factor 1 (IGF-1), also called somatomedin C, is a protein that in humans is encoded by the IGF1 gene. IGF-1 is a hormone similar in molecular structure to insulin. It plays an important role in childhood growth and continues to have anabolic effects in adults. A synthetic analog of IGF-1, mecasermin, is used for the treatment of growth failure.

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**SDS-PAGE** 

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