

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

货号 : PCK018

产品信息

别名	Somatamedin C, IGF-IA
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	>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.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. 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.

SDS-PAGE

