IGF-1

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	1330
Synonyms	Somatomedin C, IGF-I, MGF, Insulin-Like Growth Factor 1
Type	Recombinant
Source	E. coli
Species	Human
Tag	GST
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Ice pack

Introduction

IGF1 human recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain fused to both GST tag.

Description

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. Its primary action is mediated by binding to its specific receptor, the insulin-like growth factor 1 receptor (IGF1R), which is present on many cell types in many tissues.

Application

ELISA, Western blot, protein-protein interactions, Pull-down assay,

Purification method

Affinity chromatography.

Formulation

100mM Tris pH 7.5, 100mM NaCl, 15mM glutathione, 20% glycerol.

Specificity

Binds to IGF-1 receptor.

Storage

-80C

Analyte specific reagent (ASR) manufactured under ISO 13485.
Country of origin: Czech Republic

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