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pro-IGF2 Human

Pro-Insulin Like Growth Factor-2 Human Recombinant
GRF0345

Product Overview

Name	pro-IGF2 Human

Description

Pro-Insulin Like Growth Factor-2 Human Recombinant

Synonyms

Pro-Insulin Like Growth Factor-2, pro-IGF2.

Introduction

IGF-2 is a member of the insulin family of polypeptide growth factors that is involved in development and growth. It is an imprinted gene and is expressed only from the paternally inherited allele. It is a candidate gene for eating disorders. There is a read-through, INS-IGF2, which aligns to this gene at the 3' region and to the upstream INS gene at the 5' region. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

Source

HEK.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The Pro-IGF2 was lyophilized in 50mM Sodium Acetate pH 4.5 and 350mM NaCl.

Stability

Lyophilized Pro-IGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Pro-IGF2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 90% as obsereved by SDS-PAGE.

Biological Activity

The specific activity was determined by the dose-dependent stimulation of the proliferation of MCF-7 cells (human breast cancer cell line) and is typically 2-8ng/ml.

Solubility

It is recommended to reconstitute the lyophilized Pro-IGF2 in sterile PBS containing 0.1% endotoxin-free recombinant

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HSA.

Precautions

pro-IGF2 Human is for research use only and not for use in diagnostic or therapeutic procedures.