

General Information

Gene Name Synonym

IGF-I; Mechano growth factor; MGF; Somatomedin-C

Protein Construction

A DNA sequence encoding the human IGF1 (P05019, E51R) (Gly49-Ala118) was expressed with a 13 amino acids (MFPAMPLSSLFVN) at its N-terminus.

Organism

Human

Expression Host

Yeast

QC Testing

Activity

Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED₅₀ for this effect is typically 1.5-6 ng/mL.

Purity

> 95% as determined by SDS-PAGE.

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met 1

Molecular Mass

The recombinant human IGF1 consists of 83 amino acids and predicts a molecular mass of 9.1 kDa.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

Usage Guide

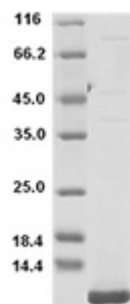
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

SDS-PAGE



Human IGF1/IGF-I/IGF-1 Protein 15913