

Insulin Like Growth Factor-1 Des Active Protein | IGF1 active protein

Recombinant Human Insulin Like Growth Factor-1 Des (1-3)

CATALOG #
AAA38547

PRODUCT SYNONYMS

Insulin Like Growth Factor-1 Des; Recombinant Human Insulin Like Growth Factor-1 Des (1-3); IGF1 Human Des1-3; Insulin-Like Growth Factor 1 Des (1-3) Human Recombinant; Somatomedin C; IGF-I; IGF1; IGF1-IA; Mechano growth factor; MGF; Des(1-3); Des1-3; Des 1-3; Des (1-3); IGF-1 (4-70); IGF1 Des1-3; IGF1 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Sterile Filtered White lyophilized (freeze-dried) powder. The protein (1mg/ml) was lyophilized was lyophilized from a 0.2µm filtered concentrated solution in 20mM PBS, pH 7.0.
Sequence	TLCGAELVDA LQFVCGDRGF YFNKPTGYGS SSRRAPQTGI VDECCFRSCD LRRLEMYCAP LKPAKSA
Sequence Length	153
Source	Escherichia Coli
Solubility	It is recommended to reconstitute the IGF-I des(1-3) in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using FDC-P1 cells is less than 2.0 ng/ml, corresponding to a specific activity of > 5×10 ⁵ units/mg.
Preparation and Storage	Lyophilized IGF-I des(1-3) although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGF1 des-1-3 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.

ADDITIONAL INFORMATION

Related Product Information for IGF1 active protein	GF-I Des(1-3) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 67 amino acids (aa 4-70) and having a molecular mass of 7368.5 Dalton. IGF-1 Des1-3 is purified by proprietary chromatographic techniques.
Product Categories/Family for IGF1 active protein	Cytokines and Growth Factors ; Growth Factors ; Insulin-Like Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	11024682
NCBI GeneID	3479
NCBI Accession #	NP_000609.1

NCBI GenBank Nucleotide #	NM_000618.3
UniProt Accession #	P01343; Q14620; B2RWM7; E9PD02; P05019
NCBI Official Full Name	insulin-like growth factor I isoform 4 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 1 (somatomedin C)
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGFI; IGF-I; IGF1A
NCBI Protein Information	insulin-like growth factor I; IGF-IA; IGF-IB; MGF; insulin-like growth factor IA; insulin-like growth factor IB; mechano growth factor; somatomedin-C
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	IGF1
UniProt Synonym Gene Names	IBP1; IGF-I; MGF
UniProt Entry Name	IGF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/igf1-active-protein/insulin-like-growth-factor-1-des/38547>