IGF-I recombinant protein

Recombinant Human IGF-I Protein

CATALOG #	HOST
AAA282574	**Pichia**

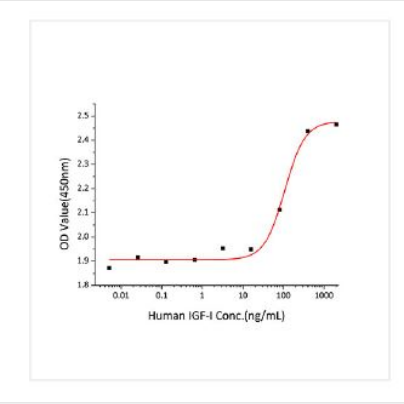
PRODUCT SYNONYMS

IGF-I; Recombinant Human IGF-I Protein; IGF-1; IGF1A; IGFI; IGF?I; MGF; IGF1; IGF-I recombinant protein

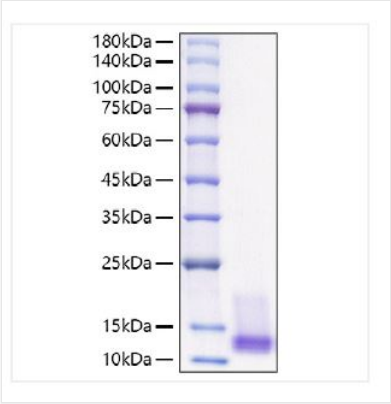
PRODUCT SPECIFICATIONS

Host	Pichia
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Tag	No tag
Bioactivity	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED50 for this effect is typically 53.5-214.2 ng/mL.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



Application Data
Recombinant Human IGF-I stimulates cell proliferation of the MCF-7 human breast cancer cells. The ED50 for this effect is typically 53.5-214.2 ng/mL.



SDS-PAGE
Active Recombinant Human IGF-I Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 10-15 kDa.

ADDITIONAL INFORMATION

Related Product Information for IGF-I recombinant protein	Recombinant Human IGF-I Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Gly49-Ala118) of human IGF-I (Accession #NP_001104755.1) fused with a additional amino acid free.

Product Categories/Family for IGF-I recombinant protein	Cytokines & Cytokine receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	163659903
NCBI GeneID	3479
NCBI Accession #	NP_001104755.1
NCBI GenBank Nucleotide #	NM_001111285.1
UniProt Accession #	P05019; P01343; Q14620; B2RWM7; E9PD02
Molecular Weight	21,841 Da
NCBI Official Full Name	insulin-like growth factor 1 isoform 3 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 1; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor I; insulin-like growth factor IA; insulin-like growth factor IB
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://www.aaabiotech.com/igf1-recombinant-protein/282574