

IGF2 active protein

Recombinant Human IGF2

CATALOG #
AAA214298

HOST
E Coli

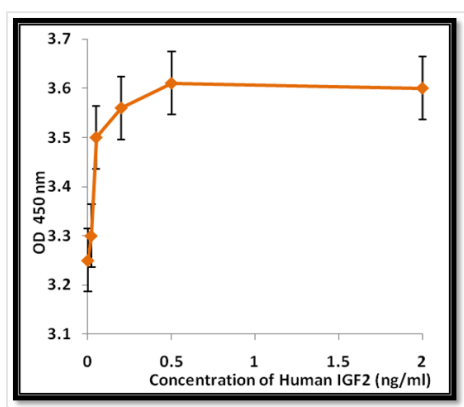
PRODUCT SYNONYMS

IGF2; Recombinant Human IGF2; Insulin-like growth factor II; multiplication stimulating activity; MSA; Somatomedin-A; T3M-11-derived growth factor; PP1446; IGF2 active protein

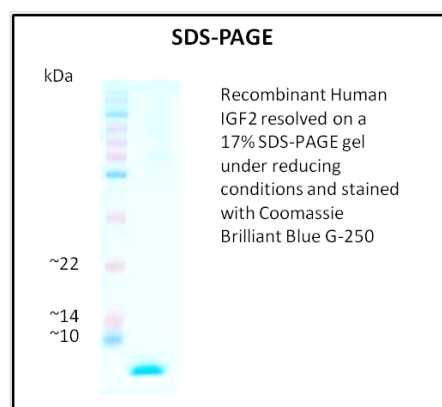
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Tris and NaCl
Sequence Length	180
Bioactivity	The ED50 as determined by dose dependent proliferation of MCF7 cells was <1ng/ml
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	Reconstitute in sterile PBS at 100 ug/mL
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IGF2 active protein

Insulin-like growth factor 2 (IGF2) is one of the mitogenic, polypeptide growth factors that belongs to the insulin family, due to its structural and functional similarity to insulin. IGF2 is mainly produced in the liver and several other tissues at certain times. IGF2 expression can be found in many tissues usually with autocrine, paracrine and endocrine functions. IGF2 mainly acts as a growth promoting hormone during gestation, and does so by binding to the tyrosine kinase type I receptor (IGF1R) as well as the IGF2 receptor cation-independent mannose 6-phosphate receptor. Mature IGF2 is highly conserved between human, bovine, and porcine species. Recombinant Human IGF2 is a single, non-glycosylated, polypeptide chain of 7.8 kDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124255
NCBI GeneID	3481
UniProt Accession #	P01344
Molecular Weight	7.8 kDa
NCBI Official Full Name	Insulin-like growth factor II
NCBI Official Synonym Full Names	insulin like growth factor 2
NCBI Official Symbol	IGF2
NCBI Official Synonym Symbols	GRDF; IGF-II; PP9974; C11orf43
NCBI Protein Information	insulin-like growth factor II
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	IGF2
UniProt Synonym Gene Names	IGF-II
UniProt Entry Name	IGF2_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/e-coli-active-protein/igf2/214298>