

Insulin-like growth factor II Recombinant Protein | PP1446 recombinant protein

Recombinant Human Insulin-like growth factor II protein

CATALOG #
AAA81625

HOST
E Coli

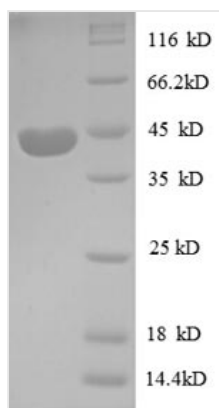
PRODUCT SYNONYMS

Insulin-like growth factor II; Recombinant Human Insulin-like growth factor II protein; Somatomedin-AT3; M-11-derived growth factor; PP1446 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	30-180aa; Partial
Sequence	ETLCGGELVD TLQFVCGDRG FYFSRPASRV SRRSRGIVEE CCFRSCDLAL LETYCATPAK SERDVSTPPT VLPDNFPRYP VGKFFQYDTW KQSTQRLRRG LPALLRARRG HVLAKELEAF REAKRHRPLI ALPTQDPAHG GAPPEMASNR K
Sequence Length	180
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PP1446 recombinant protein

The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development. Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through phosphoactivation of MAPK1 and MAPK3.

Product Categories/Family for PP1446 recombinant protein

Metabolism

References	Insulin-like growth factor II precursor gene organization in relation to insulin gene family.Dull T.J., Gray A., Hayflick J.S., Ullrich A.Nature 310:777-781(1984)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504609
NCBI GeneID	3481
NCBI Accession #	NP_000603.1
NCBI GenBank Nucleotide #	NM_000612.5
UniProt Accession #	P01344; P78449; Q14299; Q1WM26; Q9UC68; Q9UC69; B3KX48; B7WP08; C9JAF2; E3UN45
Molecular Weight	44.1 kDa
NCBI Official Full Name	insulin-like growth factor II isoform 1 preproprotein
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.