

Recombinant Human insulin-like growth factor binding protein 6, His-tagged

Cat. No. IGFBP6-82H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP6 produced in <i>E. Coli</i> is a single, non-glycosylated, polypeptide chain containing amino acids 148-240 and having a molecular mass of 20 kDa including 4kDa His-tagged. IGFBP6 is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	148-240 a.a.
Description	IGFBP6 plays a role in lipoprotein assembly and dietary cholesterol absorption. in addition to its acyltransferase activity, it may act as a ligase. may provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	Greater than 80.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	IBP-6 was lyophilized from a concentrated (1mg/ml) solution containing 1XPBS, 0.1% SDS and 1 mM DTT.
Solubility	It is recommended to reconstitute the lyophilized Insulin-Like Growth Factor Binding

 Tel: 1-631-559-9269 1-516-512-3133

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Protein-6 in sterile 18 MΩ-cm H₂O not less than 100 g/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized IBP5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFBP 5 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.

Applications

1. Positive control for Western Blot; 2. Antibody production; 3. Protein Assay

GENE INFORMATION

Gene Name

IGFBP6 insulin-like growth factor binding protein 6 [Homo sapiens]

Synonyms

IGFBP6; insulin-like growth factor binding protein 6; IBP6; IGF binding protein 6; Insulin-like growth factor-binding protein 6; IGF-binding protein 6; IGFBP-6; IBP-6

Gene ID

3489

mRNA Refseq

NM_002178

Protein Refseq

NP_002169

MIM

146735

UniProt ID

P24592

**Chromosome
Location**

12q13

Pathway

Diabetes pathways

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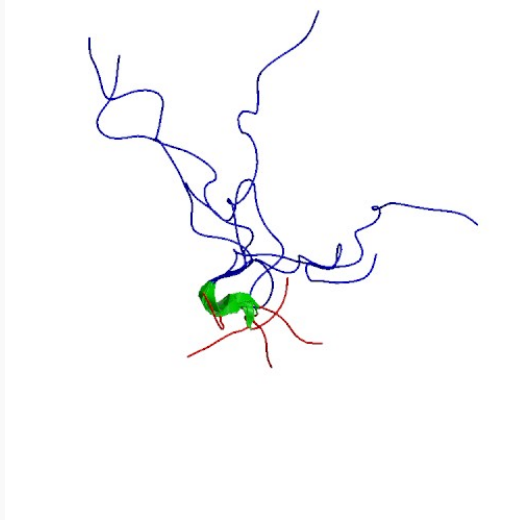
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Function

insulin-like growth factor I binding; insulin-like growth factor II binding

PDB rendering based
on 2jm2.



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