

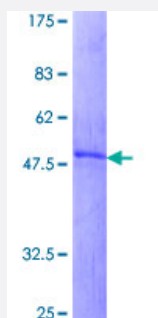
Full-Length

IGFBP1 (Human) Recombinant Protein (P01)

Catalog # H00003484-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IGFBP1 full-length ORF (AAH35263.2, 1 a.a. - 259 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSEVPVARVWLVLVLLTVQVGVTAGAPWQCAPCSAEKLALCPPVSASCSEVTRSAGCGCCPM
CALPLGAACGVATARCARGLSCRALPGEQQPLHALTRGQGACVQESDASAPHAEEAGSPESP
ESTEITEEELLDNFHLMAPSEEDHSILWDAISTYDGSKALHVTNIKKWKEPCRIELYRVVESLAKAQ
ETSGEEISKFYLPNCNKNGFYHSRQCETSMEDGEAGLCWCVPWNGKRIPGSPEIRGDPNCQMYF
NVQN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.3

Interspecies Antigen Sequence

Mouse (66); Rat (68)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IGFBP1

Entrez GeneID[3484](#)**GeneBank Accession#**[BC035263.1](#)**Protein Accession#**[AAH35263.2](#)**Gene Name**

IGFBP1

Gene Alias

AFBP, IBP1, IGF-BP25, PP12, hIGFBP-1

Gene Description

insulin-like growth factor binding protein 1

Omim ID[146730](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encode s a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insuli n-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs th e half-life of the IGFs and alters their interaction with cell surface receptors. [provided by RefSeq

Other Designations

IGF-binding protein 1|alpha-pregnancy-associated endometrial globulin|amniotic fluid binding prot ein|binding protein-25|binding protein-26|binding protein-28|growth hormone independent-binding protein|placental protein 12

Disease

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- [Birth Weight](#)
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- [Breast Diseases](#)
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- [Neoplasms](#)
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