

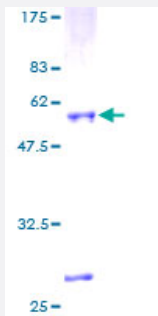
Full-Length

# IGFBP4 (Human) Recombinant Protein (P01)

Catalog # H00003487-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                                                                                                                                                                               |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human IGFBP4 full-length ORF ( AAH16041, 1 a.a. - 258 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                   |
| <b>Sequence</b>                      | MLPLCLVAALLLAAGPGPSLGDEAIHCPPCSEEKLARCRPPVGCEELVREPGCGCCATCALGLG<br>MPCGVYTPRCGSLRCYPPRGVEKPLHTLMHGQGVCMELAEIEAIQESLQPSDKDEGDHPNNSF<br>SPCSAHDRCLQKHFAKIRDSTSGGKMKVNGAPREDARPVPQGSCQSELHRALERLAASQSR<br>THEDLYIIPNCDRNGNFHPKQCHPALDGQRGKCWCVDRKTGVKLPGGLEPKGELDCHQLADS<br>FRE |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                                                                                                         |
| <b>Theoretical MW (kDa)</b>          | 54.12                                                                                                                                                                                                                                                                         |
| <b>Interspecies Antigen Sequence</b> | Mouse (91); Rat (90)                                                                                                                                                                                                                                                          |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                                                                         |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                                                                                             |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>                | 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 — IGFBP4

**Entrez GeneID**[3487](#)**GeneBank Accession#**[BC016041](#)**Protein Accession#**[AAH16041](#)**Gene Name**

IGFBP4

**Gene Alias**

BP-4, HT29-IGFBP, IBP4, IGFBP-4

**Gene Description**

insulin-like growth factor binding protein 4

**Omim ID**[146733](#)**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 in both glycosylated and non-glyco sylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction w ith cell surface receptors. [provided by RefSeq

**Other Designations**

IGF-binding protein 4|insulin-like growth factor-binding protein 4

## Disease

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