

## Recombinant Human insulin-like growth factor binding protein 3 Protein, His&Flag tagged

Cat. No. IGFBP3-051H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant human IGFBP3/IBP3 protein (P17936) (Gly 28-Lys 291) with His and Flag tag at the C-terminus was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ProteinLength    | 28-291aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description      | This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. |
| Tag              | C-His&Flag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Molecular Mass   | 31.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin        | Less than 1.0 EU/μg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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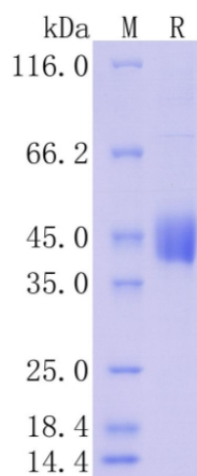
|                         |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.                                                                                                                                   |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.                                                                                                                                                                                                                                                                           |
| <b>Reconstitution</b>   | Reconstitute at 250 µg/mL in sterile water.                                                                                                                                                                                                                                                                                                                     |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | IGFBP3 insulin-like growth factor binding protein 3 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | IGFBP3                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | IGFBP3; insulin-like growth factor binding protein 3; insulin-like growth factor-binding protein 3; acid stable subunit of the 140 K IGF complex; binding protein 29; binding protein 53; BP 53; growth hormone dependent binding protein; IBP3; IGF binding protein 3; IBP-3; IGFBP-3; IGF-binding protein 3; growth hormone-dependent binding protein; BP-53; |
| <b>Gene ID</b>          | 3486                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_000598                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_000589                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>              | 146732                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | P17936                                                                                                                                                                                                                                                                                                                                                          |

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**Protein on SDS-  
PAGE under  
reducing (R)  
condition.**



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