

## Product Datasheet

### Human IGFBP-7 Protein, His Tag (orb348791)

|                             |                                                                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>       | orb348791                                                                                                                                                                                                         |
| <b>Description</b>          | Human IGFBP-7, His Tag is expressed from human 293 cells (HEK293). It contains AA Asp 30 - Leu 282 (Accession # NP_001544).                                                                                       |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                             |
| <b>Endotoxins</b>           | 1.0 EU per µg                                                                                                                                                                                                     |
| <b>Conjugation</b>          | Unconjugated                                                                                                                                                                                                      |
| <b>Target</b>               | IGFBP-7                                                                                                                                                                                                           |
| <b>Preservatives</b>        | PBS, pH 7.4                                                                                                                                                                                                       |
| <b>Form/Appearance</b>      | Powder                                                                                                                                                                                                            |
| <b>Storage</b>              | -20°C to -70°C for 12 months in lyophilized state;. -70°C for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20°C or lower  |
| <b>Tag</b>                  | N-6×His                                                                                                                                                                                                           |
| <b>Note</b>                 | For research use only                                                                                                                                                                                             |
| <b>Application notes</b>    | This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 27.0 kDa. The protein migrates as 33-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.          |
| <b>Protein Sequence</b>     | NP_001544                                                                                                                                                                                                         |
| <b>Biologically Active?</b> | Yes                                                                                                                                                                                                               |
| <b>Biological Activity</b>  | Human IGFBP-7, His Tag (Cat. No. ) immobilized on CM5 Chip can bind Human C1q R1, His Tag (Cat. No. C11-H5228) with an affinity constant of 16.7 µM as determined in a SPR assay (Biacore 8K) (Routinely tested). |

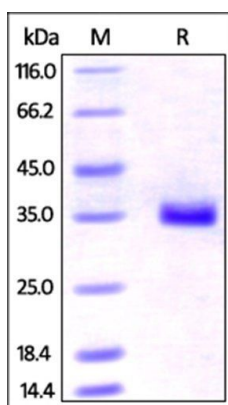
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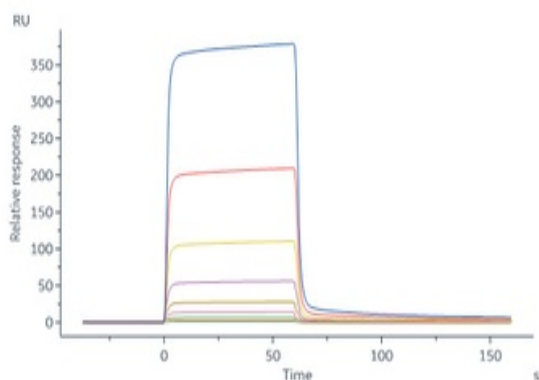
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|                        |                                |
|------------------------|--------------------------------|
| <b>Purity</b>          | 95%                            |
| <b>MW</b>              | 27.0 kDa                       |
| <b>Uniprot ID</b>      | <b>Q16270</b>                  |
| <b>NCBI</b>            | <b>NP_001544</b>               |
| <b>Expiration Date</b> | 6 months from date of receipt. |



SDS-PAGE analysis of Human IGFBP-7 protein



Human IGFBP-7, His Tag (Cat. No. orb348791) immobilized on CM5 Chip can bind Human C1q R1, His Tag (Cat. No. orb257231) with an affinity constant of 16.7  $\mu$ M as determined in a SPR assay (Biacore 8K) (Routinely tested).

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