

## IGFBP7 recombinant protein

Human IGFBP7 Protein, His Tag

CATALOG #  
**AAA47540**

HOST  
**HEK293**

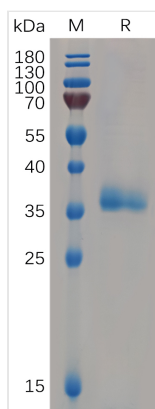
### PRODUCT SYNONYMS

IGFBP7; Human IGFBP7 Protein; His Tag; AGM; FSTL2; IBP-7; IGFBP-7; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF; IGFBP7 recombinant protein

### PRODUCT SPECIFICATIONS

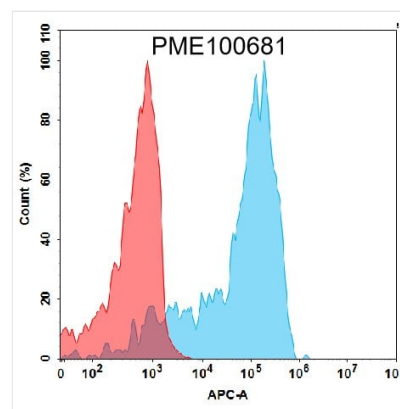
|                                |                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | HEK293                                                                                                                                                                                                                                                                   |
| <b>Purity/Purification</b>     | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                     |
| <b>Form/Format</b>             | Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.                                                                                               |
| <b>Tag</b>                     | N-6×His tag                                                                                                                                                                                                                                                              |
| <b>Preparation and Storage</b> | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

### IMAGES



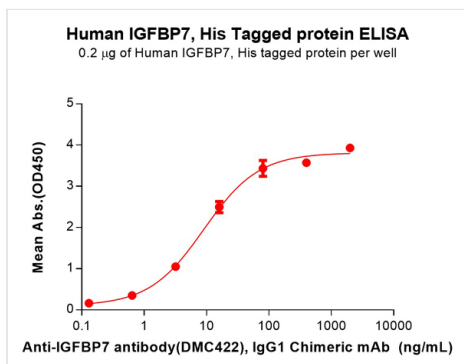
SDS-PAGE

Figure 1. Human IGFBP7 Protein, His Tag on SDS-PAGE under reducing condition.



FCM/FACS (Flow Cytometry)

Figure 1. Human IGFBP7 Protein, His Tag on SDS-PAGE under reducing condition.



ELISA

Figure 1. Human IGFBP7 Protein, His Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IGFBP7 recombinant protein | Recombinant human IGFBP7 protein with N-terminal 6×His tag<br>This gene encodes a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm (PMID:21835307). [provided by RefSeq, Dec 2011] |
| Product Categories/Family for IGFBP7 recombinant protein   | Bioactive Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 23396609                                                                                                                                                                              |
| NCBI GeneID                      | 3490                                                                                                                                                                                  |
| UniProt Accession #              | Q16270; Q07822; Q53YE6; Q9UCA8; B4E1N2; B7Z9W7                                                                                                                                        |
| Molecular Weight                 | 282                                                                                                                                                                                   |
| NCBI Official Full Name          | Insulin-like growth factor-binding protein 7                                                                                                                                          |
| NCBI Official Synonym Full Names | insulin-like growth factor binding protein 7                                                                                                                                          |
| NCBI Official Symbol             | IGFBP7                                                                                                                                                                                |
| NCBI Official Synonym Symbols    | AGM; PSF; TAF; FSTL2; IBP-7; MAC25; IGFBP-7; RAMSVPS; IGFBP-7v; IGFBPRP1                                                                                                              |
| NCBI Protein Information         | insulin-like growth factor-binding protein 7; IGFBP-rP1; angiomodulin; IGF-binding protein 7; PG12-stimulating factor; tumor-derived adhesion factor; prostacyclin-stimulating factor |
| UniProt Protein Name             | Insulin-like growth factor-binding protein 7                                                                                                                                          |
| UniProt Gene Name                | IGFBP7                                                                                                                                                                                |
| UniProt Synonym Gene Names       | MAC25; PSF; IBP-7; IGF-binding protein 7; IGFBP-7; TAF                                                                                                                                |
| UniProt Entry Name               | IBP7_HUMAN                                                                                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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