

Active Recombinant Human IGFBP6 protein, His-tagged

Cat. No. IGFBP6-6956H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Human IGFBP6 protein(P24592)(Met1-Gly240), fused with His tag, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | Met1-Gly240 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Bio-activity | 1. Measured by its ability to bind human IGF1 in functional ELISA. 2. Measured by its ability to bind human IGF2 in functional ELISA. 3. Measured by its ability to inhibit the biological activity of IGFII on MCF7 human breast adenocarcinoma cells (Karey, K.P. et al. (1988) Cancer Research 48:4083.). The ED50 for this effect is typically 1-5 µg/mL in the presence of 14 ng/mL human IGFII. |
| Molecular Mass | The recombinant human IGFBP6 consists of 224 amino acids and has a predicted molecular mass of 23.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIGFBP6 is approximately 36 kDa due to glycosylation. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method |
| Purity | > 96 % as determined by SDS-PAGE |

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Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name IGFBP6 insulin-like growth factor binding protein 6 [Homo sapiens]

Official Symbol IGFBP6

Synonyms IGFBP6; insulin-like growth factor binding protein 6; insulin-like growth factor-binding protein 6; IBP-6; IGFBP-6; IGF binding protein 6; IGF-binding protein 6; IBP6;

Gene ID 3489

mRNA Refseq NM_002178

Protein Refseq NP_002169

MIM 146735

UniProt ID P24592

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