

HUMAN IGFBP2 PROTEIN, HFC TAG**Cat.#:** 11696**Product Name:** Human IGFBP2 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** IBP2;IGF-BP53**Target:** IGFBP2**UNIPROT ID:** P18065**Description:** Recombinant human IGFBP2 protein with C-terminal human Fc tag**Background:** The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform and the others encoding nonsecreted isoforms, have been found for this gene. [provided by RefSeq, Sep 2015]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 57.3 kDa after removal of the signal peptide.**Molecular Characterization:** IGFBP2(Ala36-Gln325) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.