

Recombinant Human IGFBP3/IBP3 Protein (His Tag)

RPES3296

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES3296

Purity: > 85 % as determined by reducing SDS-PAGE.

Contents: 100µg, 1mg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: BP-53, IBP3, IGFBP3

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: N-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized human IGF2 at 10 µg/mL (100 µl/well) can bind biotinylated Human His-IGFBP3, The EC50 of biotinylated Human His-IGFBP3 is 18 ng/mL. 2. Immobilized human IGF1 at 10 µg/mL (100 µl/well) can bind biotinylated Human His-IGFBP3, The EC50 of biotinylated Human His-IGFBP3 is 24 ng/mL. 3. Measured by its ability to inhibit the biological activity of IGFI or IGFI on MCF7 human breast adenocarcinoma cells (Karey, K. P. et al. (1988) Cancer Research 48:4083.). The ED 50 for this effect is typically 0.02-0.2 µg/mL in the presence of 14 ng/mL human IGFI.

Calculated MW: 31.0 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4
Normally 5% - 8% trehalose, mannitol and 0.01%

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 40-45 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: NP_000589.2

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human IGFBP3/IBP3 protein Gly28-Lys 291, with an N-terminal His

Sequence: Gly28-Lys 291

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder