



Recombinant Protein Technical Manual

Recombinant Human IGFBP/IGFBP1 Protein (His Tag)
RPES1988

Product Data:

Product SKU: RPES1988

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P08833

Protein Information:

Molecular Mass: 26.1 kDa

AP Molecular Mass: 30-35 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: Insulin-like growth factor-binding protein 1; IBP; IGF-binding protein 1; IGFBP; Placental protein 12; PP12

Immunogen Information:

Sequence: Ala26-Asn259

Background:

Insulin-like growth factor-binding protein 1 (IGFBP1) is encoded by 259 amino acid (aa) with 25 aa residue signal peptide that is processed to generate the 234 aa residue mature protein. IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Promotes cell migration. Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs).