IGFBP1/IBP-1 (C-6His), Human, Recombinant

Cat. No. : PCK156

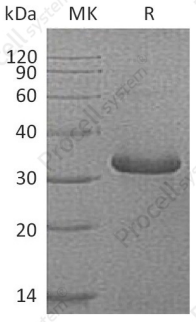
General Information

Synonyms	Insulin-Like Growth Factor-binding Protein 1;IBP-1;IGF-binding Protein 1;IGFBP-1;Placental Protein 12;PP12
Species	Human
Expression host	Human Cells
Sequence	Ala26-Asn259
Accession	P08833
Mol mass	26.1 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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).

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