

## Recombinant Human IGFBP1 (C-His)

Catalog No: CU66

<b>Description</b>	Recombinant Human Insulin-like Growth Factor-binding Protein 1 is produced by our Mammalian expression system and the target gene encoding Ala26-Asn259 is expressed with a 6His tag at the C-terminus.
<b>Expression System</b>	Human cells
<b>Alternative name</b>	Insulin-like growth factor-binding protein 1; IBP-1; IGF-binding protein 1; IGFBP-1; Placental protein 12; PP12; IGFBP1
<b>Accession No.</b>	P08833
<b>Predicted Molecular Weight</b>	26.1kDa
<b>Apparent Molecular Weight</b>	30-40kDa, reducing conditions.
<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	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. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Background</b>	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).

### SDS-PAGE

