Recombinant Human IGFBP-1/IGFBP1 Protein (His Tag)

Catalog Number: PKSH033643

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

Description			
Species			Human
Source			HEK293 Cells-derived Human IGFBP-1; IGFBP1 protein Ala26-Asn259, with an C-
			terminal His
Calculated MW			26.1 kDa
Observed MW			30-35 kDa
Accession			P08833
Bio-activity			Not validated for activity
Properties			
Purity			> 95 % as determined by reducing SDS-PAGE.
Endotoxin			< 1.0 EU per µg of the protein as determined by the LAL method.
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 $< -20^{\circ}$ 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, pH 7.4.
			Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants
			before lyophilization.
			Please refer to the specific buffer information in the printed manual.
Reconstitution			Please refer to the printed manual for detailed information.
Data			
	kDa	МК	R



> 95 % as determined by reducing SDS-PAGE.

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).