Human IGFBP-2 Protein, Ultra Low Endotoxin

Cat. No. IGF-HM102-UL

Description

Source	Recombinant Human IGFBP-2 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala36-Gln325.
Accession	P18065
Molecular Weight	The protein has a predicted MW of 32.5 kDa. Due to glycosylation, the protein migrates to 33-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

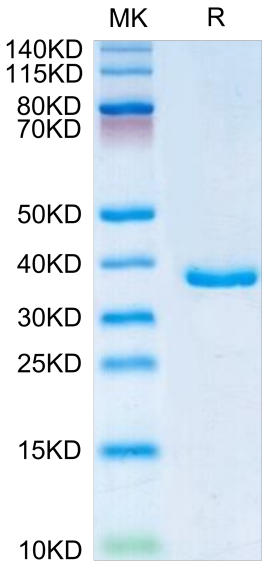
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Insulin-like growth factor (IGF) binding protein 2 (IGFBP2) was discovered and identified as an IGF system regulator, controlling the distribution, function, and activity of IGFs in the pericellular space. IGFBP2 is a developmentally regulated gene that is highly expressed in embryonic and fetal tissues and markedly decreases after birth. Aberrant expression of IGFBP2 in cancer acts as a hub of an oncogenic network, integrating multiple cancer signaling pathways and serving as a potential therapeutic target for cancer treatment.

Assay Data

Bis-Tris PAGE



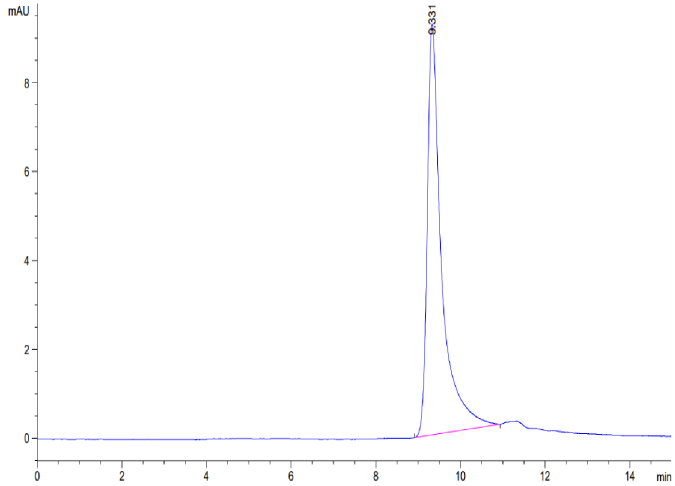
Human IGFBP-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human IGFBP-2 Protein, Ultra Low Endotoxin

Cat. No. IGF-HM102-UL

Assay Data



The purity of Human IGFBP-2 is greater than 95% as determined by SEC-HPLC.