Biotinylated Human FGF1 Protein

Cat. No. FGF-HE40AB

Description

Source	Recombinant Biotinylated Human FGF1 Protein is expressed from E.coli with His tag and Avi tag at the N-terminus.
	It contains Phe16-Asp155.
Accession	P05230-1
Molecular Weight	The protein has a predicted MW of 18.74 kDa. Due to glycosylation, the protein migrates to 20-24 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

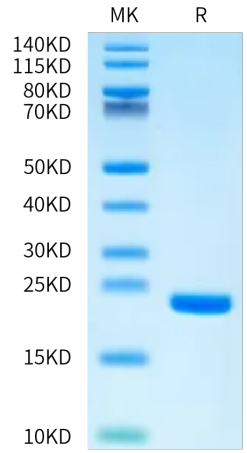
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

Fibroblast Growth Factor 1 (Fgf1), also known as acidic FGF (aFGF), is involved in the regulation of various biological processes, ranging from development to disease pathogenesis. It is a single chain polypeptide and is highly expressed in adult brain and kidney tissues. Its expression has been shown to be directed by multiple tissue-specific promoters, which generate transcripts of varying lengths.

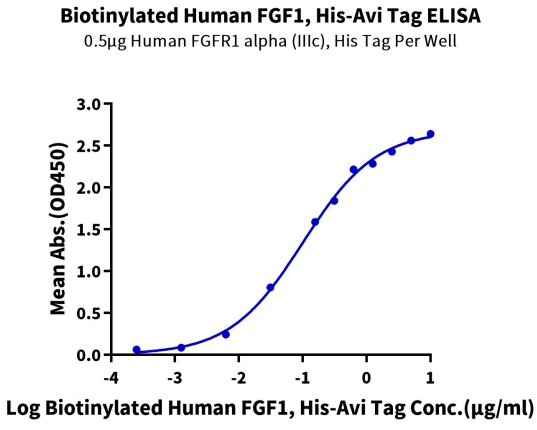
Assay Data

Bis-Tris PAGE



Biotinylated Human FGF1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human FGFR1 alpha (IIIc), His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human FGF1, His-Avi Tag with the EC50 of 100.7ng/ml determined by ELISA (QC Test).