

Human FGF4 Protein

Cat. No. FGF-HM204



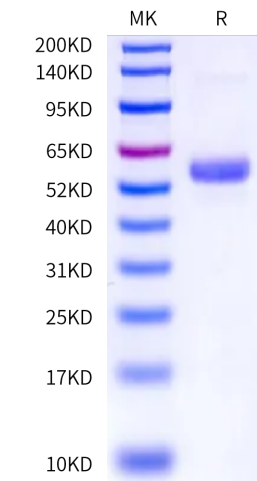
Description	
Source	Recombinant Human FGF4 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ala31-Leu206.
Accession	P08620-1
Molecular Weight	The protein has a predicted MW of 45.23 kDa. Due to glycosylation, the protein migrates to 52-62 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Fibroblast growth factor-4 (FGF-4), a highly mitogenic protein encoded by the k-fgf/hst oncogene, stimulates the growth of a variety of cells of mesenchymal and neuroectodermal origin. It is a member of the FGF family and plays several important roles in bone development during embryogenesis.	

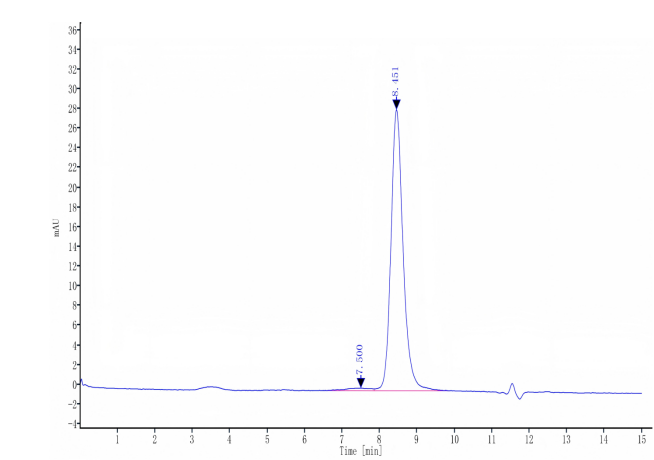
Assay Data

Bis-Tris PAGE



Human FGF4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



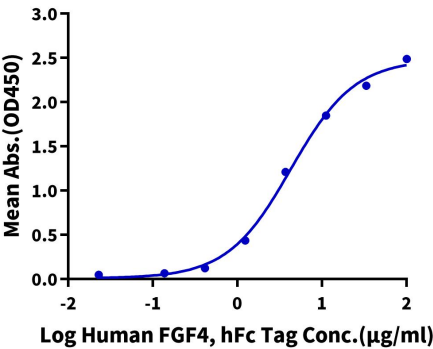
The purity of Human FGF4 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human FGF4, hFc Tag ELISA

0.1µg Human FGFR3 alpha (IIIb), His Tag Per Well



Immobilized Human FGFR3 alpha (IIIb), His Tag (Cat. FGF-HM43B) at 1µg/ml (100µl/well) on the plate. Dose response curve for Human FGF4, hFc Tag with the EC50 of 4.29µg/ml determined by ELISA.