Human FGF4 Protein

Cat. No. FGF-HE004

Description

Source	Recombinant Human FGF4 Protein is expressed from E.coli without tag.
	It contains Ala31-Leu206.
Accession	P08620-1
Molecular Weight	The protein has a predicted MW of 19.29 kDa. The protein migrates to 20-24 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

Formulation and Storage

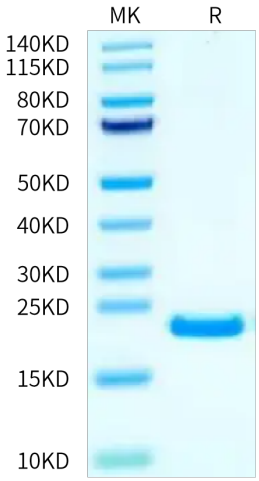
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

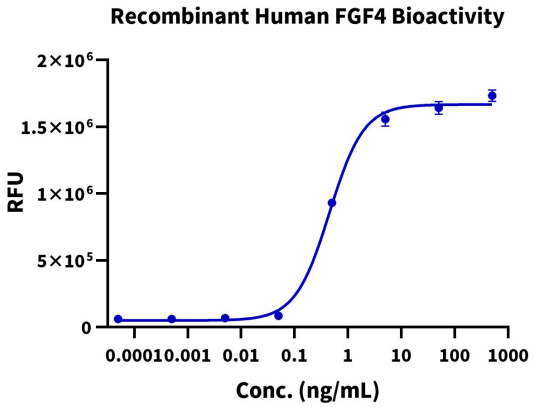
Assay Data

Bis-Tris PAGE



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

Cell Based Assay



Measured in a cell proliferation assay using Balb/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.1 - 1 ng/mL (QC Test).