

Biotinylated Mouse FGFR3 alpha (IIIb) Protein (Primary Amine Labeling)



Cat. No. FGF-MM43BB

Description	
Source	Recombinant Biotinylated Mouse FGFR3 alpha (IIIb) Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-terminus. It contains Pro22-Val349.
Accession	NP_001156689.1
Molecular Weight	The protein has a predicted MW of 37.09 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris 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	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

Four distinct genes encoding closely related FGF receptors, FGF R1-4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acidbox region containing a run of acidic residues between the IgI and IgII domains, a transmembrane domain and the split tyrosine-kinase domain. FGFR3 is tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation and apoptosis. Plays an essential role in the regulation of chondrocyte differentiation, proliferation and apoptosis, and is required for normal skeleton development. Regulates both osteogenesis and postnatal bone mineralization by osteoblasts.

Assay Data

Bis-Tris PAGE



Biotinylated Mouse FGFR3 alpha (IIIb) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.