

Human FGFR1 Protein



Cat. No. FGF-HM2RL

Description	
Source	Recombinant Human FGFR1 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ala25-Pro378.
Accession	Q8N441
Molecular Weight	The protein has a predicted MW of 64.85 kDa. Due to glycosylation, the protein migrates to 80-95 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	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	
FGFR1 (fibroblast growth factor receptor-like 1) is a newly identified member of the FGFR family. FGFR1 is a multifunctional molecule involved in prenatal and postnatal growth of cartilage and osteogenesis, the development of embryonic kidney and diaphragm, the modulation of cellular biological behaviors, and cell signal transduction. The functional abnormalities of FGFR1 contribute to human diseases including congenital disease, hypertension, osteoporosis, degenerative diseases of the central nervous system, and different kinds of tumors.	

Assay Data

Bis-Tris PAGE



Human FGFR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.