Human Protein FGF10 PDB 1nun

Cat. No. FGF10-559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mature form of human FGF10 (NP_004456.1) (Gln38 - Ser208) was expressed.
Species	Human
Source	Human
ProteinLength	38-208 a.a.
Description	The fibroblast growth factors are a growing family of heparin-binding growth factors that that regulate a variety of physiological processes in both developing and adult organism. The secreted human FGF10 exists most abundantly in the embryo and adult lung, and is most closely related to FGF7.
Form	Supplied as a 0.2 μm filtered solution of 20Mm Tris, pH7.5.
Purity	> 98 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Predicted N terminal	Met
Molecular Mass	The recombinant human FGF10 consists of 172 amino acids and has a predicted

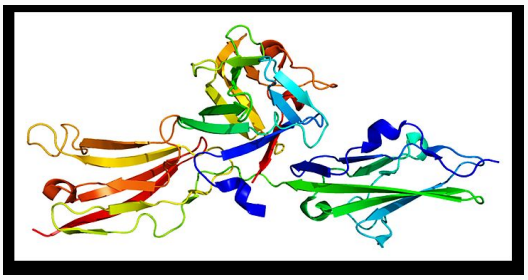
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	molecular mass of 19.6 KDa as estimated in SDS-PAGE under reducing conditions.
Storage	Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Pathways	Downstream signaling of activated FGFR; FGFR ligand binding and activation; FGFR1 ligand binding and activation; FGFR1b ligand binding and activation; FGFR2 ligand binding and activation; FGFR2b ligand binding and activation; FRS2-mediated cascade; Heart Development; IRS-mediated signaling; IRS-related events; Insulin receptor signalling cascade; MAPK signaling pathway; Melanoma; PI-3K cascade; Pathways in cancer

GENE INFORMATION

Gene Name	FGF10 fibroblast growth factor 10 [Homo sapiens]
Official Symbol	FGF10
Synonyms	FGF10; fibroblast growth factor 10; fibroblast growth factor 10; FGF-10; OTTHUMP00000161804; keratinocyte growth factor 2; produced by fibroblasts of urinary bladder lamina propria; Fibroblast growth factor 10; Keratinocyte growth factor 2
Gene ID	2255
mRNA Refseq	NM_004465
Protein Refseq	NP_004456
MIM	602115

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UniProt ID	O15520
Chromosome Location	5p13-p12
Function	chemoattractant activity; protein binding; fibroblast growth factor receptor binding; growth factor activity; heparin binding; type 2 fibroblast growth factor receptor binding
PDBrendering based on 1nun	

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