Recombinant Human Fibroblast Growth Factor 20

Cat. No. FGF20-178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This recombinant Human FGF-20 is a 23.2 kDa protein containing 209 amino acid residues and it was expressed in*E.Coli*.
Species	Human
Source	E.coli
Description	Fibroblast Growth Factor-20 (FGF-20). The FGF family plays important roles in morphogenesis, cellular differentiation, angiogenesis, tissue remodeling, inflammation and oncogenesis. Fibroblast Growth Factor-20 (FGF-20) is a newly discovered neurotrophic factor belonging to the FGF family. FGF-20 is most similar to FGF-9 and FGF-16.
Supplied	Sterile filtered and the the protein was lyophilized from 20mM Tris, pH7.6 & 1.5M NaCl (no additives).
Purity	>97% by SDS-Page and HPLC analyses. Endotoxin level is less than 0.1ng per ug (1EU/ug) of FGF-20.
Reconstitution	The lyophilized FGF-20 should be reconstituted in 20mM TRIS, pH7.6 or DI water to a concentration of 0.1-1.0mg/ml. Allow to set at least 30 minutes at 4℃, tighten cap and rotate to reconstitute any material on sides of vial. If desired, you can centrifuge at 1000 rpm for 1 minute to concentrate volume in bottom of vial. This solution can be diluted into water or other buffered solutions and stored at 4℃for up to 1 week or stored at -

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	20℃ for future use.
Note	If this material is not to be used for coating or labeling(or other applications requiring carrier free material), the addition of 0.1% BSA to dilution buffers or dilution in sterile culture media is recommended to enhance stability and minimize absorption to vial. Ideally, maintain concentration greater than 10ug/ml.
Reactivity	The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is < 10 ng/ml, corresponding to a specific activity of > 1 x 10^5units/mg.
Amino Acid Sequence	PLAEVGGFLG GLEGLGQQVG SHFLLPPAGE RPPLLGERRS AAERSARGGP GAAQLAHLHG ILRRRQLYCR TGFHLQILPD GSVQGTRQDH SLFGILEFIS VAVGLVSIRG VDSGLYLGMN DKGELYGSEK LTSECIFREQ FEENWYNTYS SNIYKHGDTG RRYFVALNKD GTPRDGARSK RHQKFTHFLP RPVDPERVPE LYKDLLMYT VPEEPEDLRG HLESDMFSSP LETDSMDPFG LVTGLEAVRS PSFEK
Storage	The lyophilized powder is stable at room temperature for a few weeks but it is best stored desiccated at -20℃. Reconstituted human FGF-20 should be stored in working aliquots at -20℃.

GENE INFORMATION

Gene Name	FGF20 fibroblast growth factor 20 [Homo sapiens]
Synonyms	FGF20; fibroblast growth factor 20; FGF-20
Gene ID	26281
mRNA Refseq	NM_019851

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Protein Refseq	NP_062825
MIM	605558
UniProt ID	Q9NP95
Chromosome Location	8p22
Pathway	MAPK signaling pathway; Melanoma; Melanoma; Pathways in cancer; Regulation of actin cytoskeleton
Function	growth factor activity

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