

Recombinant Human FGF20, GST-tagged

Cat. No. FGF20-12869H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF20 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-64a.a.
Description	The protein encoded by this gene is a member of the fibroblast growth factor family. The fibroblast growth factors possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene product is a secreted neurotrophic factor but lacks a typical signal peptide. It is expressed in normal brain, particularly the cerebellum, and may regulate central nervous system development and function. Homodimerization of this protein was shown to regulate its receptor binding activity and concentration gradient in the extracellular matrix. Genetic variations of this gene have been associated with Parkinson disease susceptibility.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	FGF20 fibroblast growth factor 20 [Homo sapiens]
Official Symbol	FGF20
Synonyms	FGF20; fibroblast growth factor 20; FGF-20;
Gene ID	26281
mRNA Refseq	NM_019851
Protein Refseq	NP_062825
MIM	605558
UniProt ID	Q9NP95
Chromosome Location	8p22
Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2c ligand binding and activation, organism-specific biosystem; FGFR3 ligand binding and activation, organism-specific biosystem;
Function	fibroblast growth factor receptor binding; growth factor activity; protein tyrosine kinase activity;

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