

RP00364

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# Recombinant Human FGF19 Protein

Catalog No.: RP00364

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	9965	O95750

**Tags**  
N-6×His

**Synonyms**  
FGF19

## Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

**Endotoxin**  
< 1 EU/μg of the protein by LAL method.

**Formulation**  
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH7.4. Contact us for customized product form or formulation.

**Reconstitution**  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

This protein is a member of the fibroblast growth factor (FGF) family. FGF family members 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 growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development.

## Basic Information

**Description**  
Recombinant Human FGF19 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Phe27-Lys216) of human FGF19 (Accession #O95750) fused with a 6×His tag at the N-terminus.

**Bio-Activity**  
Measured by its binding ability in a functional ELISA. When Recombinant Human FGF R4 Fc Chimera is immobilized at 5 μg/mL (100 μL/well), the concentration range of Recombinant Human FGF-19 that produces 50% of the optimal binding response is 20-120 ng/mL.

**Storage**  
Store the lyophilized protein at -20°C to -80 °C for long term. <br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

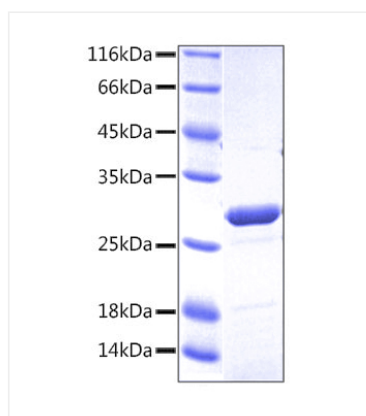
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant protein Human FGF19 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 29 kDa.