

Recombinant Human FGFR4 protein (Fc Chimera)  
ab83999

1 Image

Description	
Product name	Recombinant Human FGFR4 protein (Fc Chimera)
Purity	> 95 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>P22455</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<div>Theoretical Sequence: LEASEEVELEPCLAPSLEQQEQELTVALGQPVRLCCGRA ERGGHWYKEGSRLAPAGRVR GWRGRLEIASFLPEDAGRYLCLARGSMI VLQNLTLITGDSLTSSNDDDEPKSHRDLSNRHS YPQQAPYWTHPQRME KKLHAVPAGNTVKFRCPAAGNPTPTIRWLKDQGA FHGEN RIGGIR IPK VDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKD TLMISRTPEVT C V V V D V S H E DPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTV LHQDWLNGKEYKCRVSNKAL PAPIEKTISKAKGQPREPQVYTLPPSRD ELTKNQVSLTCLVKGFYPSDIAVEWESNGQPEN NYKTTPPVLDSDGSF FLYSKLTVDKSRWQQGNV F S C S V M H E A L H N H Y T Q K S L S L SPGK</div>
Amino acids	22 to 201
Additional sequence information	Encodes the signal peptide and extracellular domain of human FGF R4 (aa1-201) was fused to the Fc region of human IgG1 (aa 93-330). The chimeric protein was expressed in modified human 293 cells.

## Specifications

Our **Abpromise guarantee** covers the use of **ab83999** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** SDS-PAGE

**Form** Lyophilized

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C.

Constituents: 1% Human serum albumin, 10% Trehalose

**Reconstitution** It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

## General Info

**Function** Receptor for acidic fibroblast growth factor. Does not bind to basic fibroblast growth factor. Binds FGF19.

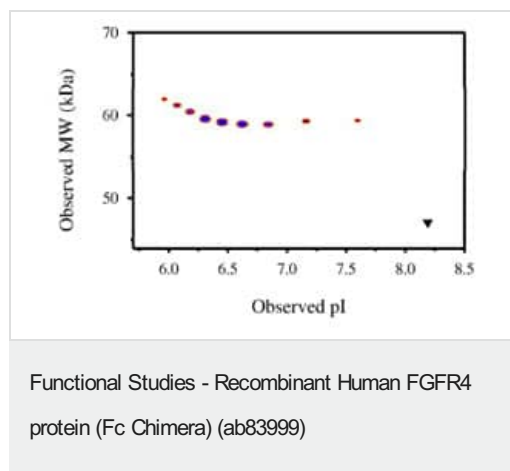
**Tissue specificity** Expressed in gastrointestinal epithelial cells, pancreas, and gastric and pancreatic cancer cell lines.

**Sequence similarities** Belongs to the protein kinase superfamily. Tyr protein kinase family. Fibroblast growth factor receptor subfamily.  
Contains 3 Ig-like C2-type (immunoglobulin-like) domains.  
Contains 1 protein kinase domain.

**Post-translational modifications** Glycosylated.  
Phosphorylated on tyrosine residue (By similarity). Phosphorylation requires the presence of a functional (phosphorylated) FGFR1 and not necessarily by means of FGFR heterodimerization.

**Cellular localization** Membrane. Isoform 2 may be secreted.

## Images



Densitometry of protein isoforms visualised by 2-DE.

The densitometry scan demonstrates the purified human cell expressed protein exists in multiple isoforms, which differ according to their level of post-translational modification.

The triangle indicates the theoretical MW and pI of the protein.

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