

## Product datasheet for **TP726788**

### FGFR2 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human FGFR2IIIc (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Arg22-Glu377
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human Fibroblast growth factor receptor 2 (IIIc) is produced by our Mammalian expression system and the target gene encoding Arg22-Glu377 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2263
UniProt ID:	<u><a href="#">P21802</a></u>
Synonyms:	BEK, FGFR2IIIc; CD332; FGF R2b; FGFR2 beta; FGFR2; FGFR2b
Summary:	FGFR2, also known as CD332, belongs to the fibroblast growth factor receptor subfamily where amino acid sequence is highly conserved between members and throughout evolution. FGFR2 acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation, migration and apoptosis, and in the regulation of embryonic development. Four distinct genes encoding closely related FGF receptors, FGF R1 - 4, are known. A frequent splicing event involving FGF R1 and 2 results in receptors containing all three Ig domains, referred to as the alpha isoform, or only IgII and IgIII, referred to as the beta isoform. Only the alpha isoform has been identified for FGF R3 and FGF R4. FGFR2 signaling is down-regulated by ubiquitination, internalization and degradation. Mutations that lead to constitutive kinase activation or impair normal FGFR2 maturation, internalization and degradation lead to aberrant signaling. Over-expressed FGFR2 promotes activation of STAT1.


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**Protein Families:** Druggable Genome, Protein Kinase, Secreted Protein, Transmembrane

**Protein Pathways:** Endocytosis, MAPK signaling pathway, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton