

Product datasheet for **TP723774**

Fgf2 (NM_008006) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fibroblast growth factor 2 (Fgf2)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse FGF-basic, the region of Ala11-Ser154, from gene Accession# NM_008006
Tag:	Tag Free
Predicted MW:	16.2 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	10 mM NaH ₂ PO ₄ , 150 mM NaCl, pH 7.2, 1 mM DTT, 0.5 mM EDTA
Bioactivity:	The ED50 is 0.3 to 2 ng/ml, corresponding to a specific activity of 3.3 to 0.5 x 10 ⁶ units/mg, determined by the dose dependent stimulation of 3T3 cell proliferation.
Endotoxin:	Less than 0.01 ng per ug protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_032032
Locus ID:	14173
UniProt ID:	P15655 , Q541T2
RefSeq Size:	695
Cytogenetics:	3 18.41 cM
RefSeq ORF:	462
Synonyms:	bFGF; Fgf-2; Fgfb



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Summary:

Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4. Also acts as an integrin ligand which is required for FGF2 signaling. Binds to integrin ITGAV:ITGB3. Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration. Functions as a potent mitogen in vitro. Can induce angiogenesis.[UniProtKB/Swiss-Prot Function]