

## Product datasheet for **TP302080M**

### FGFR1 (NM\_023110) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human fibroblast growth factor receptor 1 (FGFR1), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC202080 representing NM_023110 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MWSWKCLLFWAVLVTATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDG  
VQLAESNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSEDDDDDDSSSEEKE  
TDNTKPNRMPVAPYWTSPEKMEKHLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPDHRIGGYKVRY  
ATWSIIMDSVPSDKGNYTCIVENEYGSINHTYQLDWERSPHRPILQAGLPANKTVALGSNVEFMCKVY  
SDPQPHIQWLKHIEVNGSKIGPDNLPYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLS  
HHSAWLTVLEALERPAVMTSPYLEIIIIYCTGAFLISCMVGSVIVYKMKSGTKKSDFHSMQMAVHKLAKS  
IPLRRQVTVSADSSASMNSGVLLVRPSRLSSSGTPMLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCFG  
QVVLAEAIGLDKDKPNRVTKVAVKMLKSDATEKDLSDLISEMEMMMKMGKHKNIINLLGACTQDGPLYVI  
VEYASKGNLREYLQARRPPGLECYNPSHNPEEQSSKDLVSCAYQVARGMEYLASKKCIHRDLAARNVL  
VTEDNVMKIADFLGARDIHHIDYKKTNGRLPVKWMPEALFDRIYTHQSDVWSFGVLLWEIFTLGGSP  
YPGVPVEELFKLLKEGHRMDKPSNCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRIVALTSNQEYLDLS  
MPLDQYSPSPDTRSSTCSSGEDSVFSHEPLPEEPCLPRHPAQLANGGLKRR

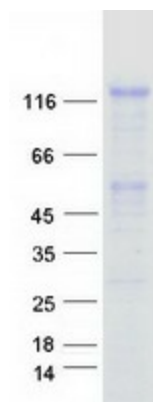
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	89.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_075598</a>
<b>Locus ID:</b>	2260
<b>UniProt ID:</b>	<a href="#">P11362</a>
<b>RefSeq Size:</b>	5917
<b>Cytogenetics:</b>	8p11.23
<b>RefSeq ORF:</b>	2466
<b>Synonyms:</b>	bFGF-R-1; BFGFR; CD331; CEK; ECCL; FGFBR; FGFR-1; FLG; FLT-2; FLT2; HBGFR; HH2; HRTFDS; KAL2; N-SAM; OGD
<b>Summary:</b>	<p>The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]</p>
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Adherens junction, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

**Product images:**

Coomassie blue staining of purified FGFR1 protein (Cat# [TP302080]). The protein was produced from HEK293T cells transfected with FGFR1 cDNA clone (Cat# [RC202080]) using MegaTran 2.0 (Cat# [TT210002]).