Recombinant Rat Fgfr1 protein, His/T7-tagged

Cat. No. FGFR1-2338R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgfr1(Arg22~Glu376) fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg22~Glu376
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	43.2kDa
AA Sequence	RPAPTLPEQ AQPWGVPVEV ESLLVHPGDL LQLRCRLRDD VQSINWLRDG VQLAESNRTR ITGEEVEVRD SIPADSGLYA CVTNSPSGSD TTYFSVNVSD ALPSSEDDDD DDDSSSEEKE TDNTKPNRRP VAPYWTSPEK MEKKLHAVPA AKTVKFKCPS SGTPSPTLRW LKNGKEFKPD HRIGGYKVRY ATWSIIMDSV VPSDKGNYTC IVENEYGSIN HTYQLDVVER SPHRPILQAG LPANKTVALG SNVEFMCKVY SDPQPHIQWL KHIEVNGSKI GPDNLPYDQI LKTAGVNTTD KEMEVLHLRN VSFEDAGEYT CLAGNSIGLS HHSAWLTVLE ALEERPAVMT SPLYLE
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Fgfr1 Fibroblast growth factor receptor 1 [Rattus norvegicus]
Official Symbol	Fgfr1
Synonyms	FGFR1; Fibroblast growth factor receptor 1; fibroblast growth factor receptor 1; MFR; c-fgr; FGFR-1; bFGF-R; bFGF-R-1; FGF receptor-1; proto-oncogene c-Fgr; basic fibroblast growth factor receptor 1;
Gene ID	79114
mRNA Refseq	NM_024146
Protein Refseq	NP_077060
MIM	
UniProt ID	Q04589
Chromosome Location	16q12.4
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology,

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	organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem;
Function	ATP binding; cell adhesion molecule binding; fibroblast growth factor 1 binding; fibroblast growth factor 1 binding; fibroblast growth factor binding; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; fibroblast growth factor-activated receptor activity; glycoprotein binding; heparin binding; heparin binding; nucleotide binding; protein binding; protein complex binding; protein homodimerization activity; protein tyrosine kinase activity; receptor activity;

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