

## Recombinant Mouse Fibroblast Growth Factor Receptor 3

Cat. No. Fgfr3-1739M Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Description</b>	Fibroblast growth factor receptor 3 is receptor tyrosine kinases expressed on most types of cells. FGFR3 protein plays a role in the development and maintenance of bone and brain tissue and has several important cellular functions such as regulation of cell growth and division, determination of cell type, formation of blood vessels, wound healing, and embryo development. FGFR3 result in autosomal dominant human skeletal dysplasias and is a major cause of benign epidermal tumors in humans.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Mouse FGF R3 is Mr 64 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100-110 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>90% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze

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Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

<b>Gene Name</b>	Fgfr3 fibroblast growth factor receptor 3 [ <i>Mus musculus</i> ]
<b>Synonyms</b>	Fgfr3; fibroblast growth factor receptor 3; HBGFR; Fgfr-3; EC 2.7.10.1; sam3
<b>Gene ID</b>	14184
<b>mRNA Refseq</b>	NM_001163215
<b>Protein Refseq</b>	NP_001156687
<b>UniProt ID</b>	Q61851
<b>Chromosome Location</b>	20.0 cM
<b>Pathway</b>	Bladder cancer; Endocytosis; MAPK signaling pathway; Pathways in cancer; Regulation of actin cytoskeleton
<b>Function</b>	ATP binding; fibroblast growth factor binding; fibroblast growth factor receptor activity; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

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