

Recombinant Mouse Fibroblast Growth Factor Receptor 3

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

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
Description	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.
Molecular Weight	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.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

20°Cto -70°C. After aseptic reconstitution, this protein may be stored at 2°Cto 8°Cfor one month or at -20°Cto -70°Cin a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Fgfr3 fibroblast growth factor receptor 3 [Mus musculus]
Synonyms	Fgfr3; fibroblast growth factor receptor 3; HBGFR; Fgfr-3; EC 2.7.10.1; sam3
Gene ID	14184
mRNA Refseq	NM_001163215
Protein Refseq	NP_001156687
UniProt ID	Q61851
Chromosome Location	20.0 cM
Pathway	Bladder cancer; Endocytosis; MAPK signaling pathway; Pathways in cancer; Regulation of actin cytoskeleton
Function	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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