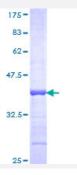


FGF9 (Human) Recombinant Protein (Q01)

Catalog # H00002254-Q01 Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human FGF9 partial ORF (NP_002001, 99 a.a 208 a.a.) recombinant protein with GST-tag at N-t erminal.
Sequence	SIAVGLVSIRGVDSGLYLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYY VALNKDGTPREGTRTKRHQKFTHFLPRPVDPDKVPELYKDILSQS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.



Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FGF9	
Entrez GenelD	2254
GeneBank Accession#	NM_002010
Protein Accession#	NP_002001
Gene Name	FGF9
Gene Alias	GAF, HBFG-9, MGC119914, MGC119915
Gene Description	fibroblast growth factor 9 (glia-activating factor)
Omim ID	600921
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF f amily members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue re pair, tumor growth and invasion. This protein was isolated as a secreted factor that exhibits a gro wth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by n eurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog g ene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embry yogenesis. [provided by RefSeq
Other Designations	OTTHUMP00000018804 fibroblast growth factor 9 glia-activating factor

Publication Reference



Product Information

 CRISPR-Cas9-Mediated Correction of the G189R-PAX2 Mutation in Induced Pluripotent Stem Cells from a Patient with Focal Segmental Glomerulosclerosis.

Trionfini P, Ciampi O, Todeschini M, Ascanelli C, Longaretti L, Perico L, Remuzzi G, Benigni A, Tomasoni S.

The CRISPR Journal 2019 Apr; 2:108.

Application: Func, Human, N/A

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hyperparathyroidism
- Neoplasm Recurrence
- Neoplasms