

# Product datasheet for TP720175L

## FGF9 (NM\_002010) Human Recombinant Protein

### **Product data:**

### **Product Type: Recombinant Proteins Description:** Recombinant protein of human fibroblast growth factor 9 (glia-activating factor) (FGF9) Species: Human E. coli **Expression Host:** Met1-Ser208 **Expression cDNA Clone** or AA Sequence: Tag: Tag Free Predicted MW: 23.4 kDa **Concentration:** lot specific **Purity:** >95% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl Endotoxin: < 0.1 EU per µg protein as determined by LAL test **Reconstitution Method:** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Store at -80°C. Storage: Stability: Stable for at least 6 months from date of receipt under proper storage and handling conditions. NP 002001 RefSeq: Locus ID: 2254 **UniProt ID:** P31371 Cytogenetics: 13q12.11 Synonyms: FGF-9; GAF; HBFG-9; HBGF-9; SYNS3



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### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

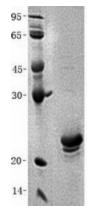
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Summary: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons 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 gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis. [provided by RefSeq, Jul 2008] **Protein Families:** 

Druggable Genome, Secreted Protein

**Protein Pathways:** MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

### **Product images:**



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