

Active GMP Recombinant Human FGF9 Protein

Cat. No. FGF9-01HG Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF9 protein, was expressed in CHO-K1 cell-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	CHO
Description	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.
Form	Lyophilized powder
Endotoxin	<20 EU/mg
Bio-activity	>5.0 x 10 ⁵ IU/mg
Purity	>95.0% by high performance liquid chromatography (SEC-HPLC) and SDS-PAGE.

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Storage Buffer	10mM Phosphate-Buffered Saline (pH 7.2)
Storage	Stable storage at 4°C for 7-10 days; for long-term storage, please store at -20°C after dispensing.
Sterility	Sterility
Instructions	It is recommended that lyophilized GMP rhFGF9 be dissolved in water for injection or sterilized ultrapure water at a concentration of not less than 100 µg/ml, pending further dilution to working concentration.

GENE INFORMATION

Gene Name	FGF9 fibroblast growth factor 9 [Homo sapiens (human)]
Official Symbol	FGF9
Synonyms	GAF; FGF-9; SYNS3; HBFG-9; HBGF-9
Gene ID	2254
mRNA Refseq	NM_002010.3
Protein Refseq	NP_002001.1
UniProt ID	P31371
MIM	600921

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