



Recombinant Mouse FGF-9

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-006S
Size:	2 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	14180
Synonyms:	Fgf9; Eks

FGF-9 is a heparin binding growth factor that belongs to the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-9 targets glial cells, astrocytes cells and other cells that express the FGFR 1c, 2c, 3b, 3c, and 4. Recombinant mouse FGF-9 is a 23.3 kDa protein containing 205 amino acid residues.

Sequence

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PLGEVGSYFG VQDAVPFGNV PVLVVDSPVL LNDHLGQSEA  
GGLPRGPAVT DLDHLKGILR RRQLYCRTGF HLEIFPNGTI  
QGTRKDHSRF GILEFISIAV GLVSIRGVDS GLYLMNEKG  
ELYGSEKLTQ ECVFREQFEE NWyNTYSSNL YKHVDTGRRY  
YVALNKDGTp REGTRTKRHQ KFTHFLEPRPV DPKVPELYK DILSQS
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Database References

Protein RefSeq:	NP_038465.2
Uniprot ID:	P54130
mRNA RefSeq:	NM_013518

Product Specifications

Expressed in	E. coli
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	205
MW:	23.3 kDa

Biological Activity: The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤ 0.5 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^6$ units/mg.



AVOID REPEATED FREEZE AND THAW CYCLES!