



Recombinant Mouse FGF-7/KGF

20191029DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-042S
Size:	2 µg
Lot. No.:	According to product label

Sequence

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MCNDMSPEQT ATSVNCSSPE RHTRSVDYME GGDIVRRRLF  
CRTQWYLRID KRGKVKGTQE MKNSYNIMEI RTVAVGIVAI  
KGVSEYYLA MNKEGKLYAK KECNEDCNFK ELILENHNT  
YASAKWTHSG GEMFVALNQK GIPVKGKTK KEQKTAHFLP MAIT
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Database References

Protein RefSeq:	NP_032034.1
Uniprot ID:	P36363
mRNA RefSeq:	NM_008008.4

Scientific Background

Gene-ID (NCBI):	14178
Synonyms:	Keratinocyte Growth Factor, Fibroblast Growth Factor-7, HBGF-7

FGF-7/KGF is one of 23 known members of the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth, and the regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-7/KGF is a mitogen factor specific for epithelial cells and keratinocytes. FGF-7/KGF signals through FGFR 2b. FGF-7/KGF plays a role in kidney and lung development, as well as in angiogenesis and wound healing. Recombinant Murine FGF-7/KGF is an 18.9 kDa protein consisting of 164 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	≥ 95% by SDS-PAGE gel and HPLC analyses
Endotoxin level	< 0.1 ng/µg of protein (<1EU/µg)
Formulation	lyophilized
Length (aa):	164
MW:	18.9 kDa



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Determined by a cell proliferation assay using 4MBr-5 cells. The expected ED50 for this effect is 0.5-5.0 ng/ml.