

Keratinocyte Growth Factor-2 Active Protein | mKGF 2 active protein

Recombinant Mouse Keratinocyte Growth Factor-2

CATALOG # AAA38945	HOST E Coli
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PRODUCT SYNONYMS

Keratinocyte Growth Factor-2; Recombinant Mouse Keratinocyte Growth Factor-2; KGF 2 Mouse; Keratinocyte Growth Factor-2 Mouse Recombinant; FGFA; FGF10; FGF-10; KGF-2; Fibroblast growth factor 10; mKGF 2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated solution in 1xPBS, pH 7.4 containing 5% trehalose. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	QALGQDMVSQ EATNCSSSSS SFSSPSSAGR HVRSYNHLQG DVRWRRLFSF TKYFLTIEKN GKVSGTKNED CPYSVLEITS VEIGVVAVKA INSNYLAMN KKGKLYGSKE FNNDCKLKER IEENGYNTYA SFNWQHNGRQ MYVALNGKGA PRRGQKTRRK NTAHFLPMT IQT
Sequence Length	209
Solubility	It is recommended to reconstitute the lyophilized KGF 2 Mouse Recombinant in sterile 18M-cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is <0.5ng/ml.

ADDITIONAL INFORMATION

Related Product Information for mKGF 2 active protein	Description: KGF 2 Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 173 amino acids and having a molecular mass of 19.5kDa. The KGF 2 is purified by proprietary chromatographic techniques. Introduction: KGF-2 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. FGF-10 exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of lim bud formation. This gene is also implicated to be a primary factor in the process of wound healing.
Product Categories/Family for mKGF 2 active protein	Cytokines and Growth Factors ; Growth Factors ; Keratinocyte Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106313
NCBI GeneID	14165
NCBI Accession #	NP_032028.1
NCBI GenBank Nucleotide #	NM_008002.4

UniProt Accession #	O35565; Q543V5
Molecular Weight	23,597 Da
NCBI Official Full Name	fibroblast growth factor 10
NCBI Official Synonym Full Names	fibroblast growth factor 10
NCBI Official Symbol	Fgf10
NCBI Official Synonym Symbols	AEY17; Fgf-10; BB213776; Gsfaey17
NCBI Protein Information	fibroblast growth factor 10; keratinocyte growth factor 2
UniProt Protein Name	Fibroblast growth factor 10
UniProt Gene Name	Fgf10
UniProt Synonym Gene Names	FGF-10
UniProt Entry Name	FGF10_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mkgf-2-active-protein/keratinocyte-growth-factor-2/38945>