

Recombinant Human KGF1

Catalog No: #70407

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Description

Product Name	Recombinant Human KGF1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	> 96 % by SDS-PAGE and HPLC analyses.
Species Reactivity	Hu
Target Name	rHu KGF1
Other Names	HBGF-7
Accession No.	accession:P21781 GeneID:2252
Uniprot	P21781
GeneID	2252;
Calculated MW	Approximately 18.9 kDa, a sing
SDS-PAGE MW	Sterile Filtered White lyophil
Target Sequence	CNDMTPEQMA TNVNCSSPER HTRSYDMEG GDIRVRLFC RTQWYLRIK RGKVKGTQEM KNNYNIMEIR TVAVGIVAIAK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHYN TY ASAKWTHNGG EMFVALNQKG IPVRGKKTCK EQKTAHFLPM AIT
Formulation	Lyophilized from a 0.2 µm filtered solution in 20 mM PB, 0.5 M NaCl, pH 8.0.
Storage	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze thaw cycles.

Background

Human KGF-1 also known as Fibroblast growth factor 7 (FGF-7), is encoded by the FGF7 gene. KGF-1 only binds to the b splice form of the tyrosine kinase receptor, FGFR2b KGFR. Affinity between KGF-1 and its receptor can be increased by heparin or heparan sulfate proteoglycan. FGF-10, also called keratinocyte growth factor 2 (KGF-2), shares 51 % amino acid sequence identity and similar function to KGF-1, but uses an additional receptor, FGFR2c. KGF-1 plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. KGF-1 actives on keratinocytes, and exhibits mitogenic activity for epidermal cells, but essentially no activity for fibroblasts. KGF-1 has species crossactive, human KGF-1 shares 96 % amino acid sequence identity with murine, and 92 % with rat.

References

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Note: This product is for in vitro research use only