Recombinant Human FGF7 therapeutic protein(Palifermin)

Cat. No. FGF7-P013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Fibroblast Growth Factor 7 therapeutic protein is a recombinant human keratinocyte growth factor (KGF). It is 140 residues long, and is produced using E. coli.
Species	Human
Source	E.coli
ProteinLength	139aa
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 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.The expression product is the active ingredient of Kepivance.
Molecular Mass	16.2kDa
AA Sequence	SYDYMEGGDIRVRRLFCRTQWYLRIDKRGKVKGTQEMKNNYNIMEIRTVAVGIVAIK GVESEFYLAMNKEG KLYAKKECNEDCNFKELILENHYNTYASAKWTHNGGEMFVA LNQKGIPVRGKKTKKEQKTAHFLPMAIT

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Purity	>95%
Alias	FGF7; KGF; FGF-7; HBGF-7; Palifermin

GENE INFORMATION

Gene Name	FGF7 fibroblast growth factor 7 [Homo sapiens]
Official Symbol	FGF7
Synonyms	FGF7; fibroblast growth factor 7; fibroblast growth factor 7 (keratinocyte growth factor); keratinocyte growth factor; KGF; FGF-7; heparin-binding growth factor 7; HBGF-7;
Gene ID	2252
mRNA Refseq	NM_002009
Protein Refseq	NP_002000
MIM	148180
UniProt ID	P21781
Chromosome Location	15q21.2
Pathway	Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2b ligand binding and activation, organism-specific biosystem; FRS2-mediated cascade, organism-specific biosystem;

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	Glypican 3 network, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem;
Function	chemoattractant activity; growth factor activity; heparin binding; type 2 fibroblast growth factor receptor binding;

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