

Product datasheet for PH324418

KGF (FGF7) (NM_002009) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FGF7 MS Standard C13 and N15-labeled recombinant protein (NP_002000)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224418
Predicted MW:	22.51 kDa
Protein Sequence:	>RC224418 representing NM_002009 Red=Cloning site Green=Tags(s) MHKWILTWILPTLLYRSCFHIIICLVGTISLACNDMTPEQMATNVNCS SPERHTRSVDYMEGGDIRVRRFLF CRTQWYLRIDKRGKVKGTQEMKNNYNIMEIRTVAVGIVAIGVSEFYLAMNKEGKLYAKKECNEDCNFK ELILENHNTYASAKWTHNGGEMFVALNQGIPVRGKKTKEQKTAHFLPMAIT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002000</u>
RefSeq Size:	3853
RefSeq ORF:	582
Synonyms:	HBGF-7; KGF
Locus ID:	2252
UniProt ID:	<u>P21781</u>



[View online »](#)

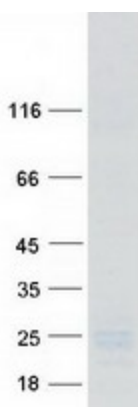
Cytogenetics: 15q21.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified FGF7 protein (Cat# [TP324418]). The protein was produced from HEK293T cells transfected with FGF7 cDNA clone (Cat# [RC224418]) using MegaTran 2.0 (Cat# [TT210002]).