Recombinant Full Length Human KLK2 Protein, C-Flag-tagged

Cat. No. KLK2-239HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human KLK2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.5 kDa
AA Sequence	MWDLVLSIALSVGCTGAVPLIQSRIVGGWECEKHSQPWQVAVYSHGWAHCGGVLV HPQWVLTAAHCLKKN SQVWLGRHNLFEPEDTGQRVPVSHSFPHPLYNMSLLKHQ SLRPDEDSSHDLMLLRLSEPAKITDVVKVLG LPTQEPALGTTCYASGWGSIEPEEFL RPRSLQCVSLHLLSNDMCARAYSEKVTEFMLCAGLWTGGKDTCG

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	GDSGGPLVCNGVLQGITSWGPEPCALPEKPAVYTKVVHYRKWIKDTIAANPTRTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Full Length	Full L.

GENE INFORMATION

Gene Name	KLK2 kallikrein related peptidase 2 [Homo sapiens (human)]
Official Symbol	KLK2
Synonyms	hK2; hGK-1; KLK2A2
Gene ID	3817
mRNA Refseq	NM_005551.5

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Protein Refseq	NP_005542.1
MIM	147960
UniProt ID	P20151



Coomassie blue staining of purified KLK2 protein.

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