

Recombinant Full Length Human KLK2 Protein, GST-tagged

Cat. No. KLK2-639HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human KLK2(1 a.a. - 261 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	261 amino acids
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	54.34 kDa
AA Sequence	MWDLVLSIAL SVGCTGAVPL IQSRIVGGWE CEKHSQPWQV AVYSHGWAHC GGVLVHPQWV LTAAHCLKKN SQVWLGRHNL FEPEDTGQRV PVSHSFPHPL

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YNMSLLKHQS LRPDEDSSHD LMLLRLSEPA KITDVVKVLG LPTQEPA LGT
 TCYASGWGSI EPEEFLRPRS LQCVSLHLLS NDMCARAYSE KVTEFMLCAG
 LWTGGKDT CG GDSGGPLVCN GVLQGITSWG PEPCALPEKP AVYTKVVHYR
 KWIKDTIAAN P

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

[KLK2 kallikrein-related peptidase 2 \[Homo sapiens \]](#)

Official Symbol

[KLK2](#)

Synonyms

KLK2; kallikrein-related peptidase 2; kallikrein 2, prostatic; kallikrein-2; tissue
 kallikrein-2; glandular kallikrein 2; glandular kallikrein-1; hK2; hGK-1; KLK2A2;
 FLJ17010; FLJ17011; MGC12201

Gene ID

[3817](#)

mRNA Refseq

[NM_001002231](#)

Protein Refseq

[NP_001002231](#)

MIM

[147960](#)

UniProt ID

[P20151](#)

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