

# Recombinant Full Length Human KLK2 Protein, GST-tagged

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

## SPECIFICATION

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