

# 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   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YNMSLLKHQS LRPDEDSSHD LMLLRLSEPA KITDVVKVLG LPTQEPALGT  
 TCYASGWGSI EPEEFLRPRS LQCVSLHLLS NDMCARAYSE KVTEFMLCAG  
 LWTGGKDTCCG 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA