

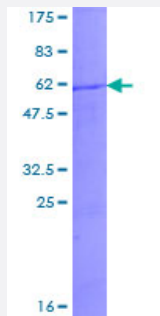
Full-Length

# KLK5 (Human) Recombinant Protein (P01)

Catalog # H00025818-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human KLK5 full-length ORF ( NP\_036559.1, 1 a.a. - 293 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MATARPPWMWVLCALITALLGVTEHVLANNNDVSCDHPSNTVPSGSNQDLGAGAGEDARSDDSSRIINGSDCDMHTQPWQAALLRPNQLYCGAVLVHPQWLLTAAHCRKKVFRVRLGHYSLSPVYESGQQMFQGVKSIPHPGYSHPGHSNDLMLIKLNRIRPTKDVRPINVSSHCPSAGTKCLVSGWGTTKSPQVHFVKVLQCLNISVLSQKRCEDAYPRQIDDTMFCAGDKAGRDSCQGDSGGPVVCNGLSLQLVSWGDYPCARPNRPGVYTNLCKFTKWIQETIQANS

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

58.4

### Interspecies Antigen Sequence

Mouse (69); Rat (68)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

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

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

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

## Gene Info — KLK5

**Entrez GeneID**[25818](#)**GeneBank Accession#**[NM\\_012427.3](#)**Protein Accession#**[NP\\_036559.1](#)**Gene Name**

KLK5

**Gene Alias**

KLK-L2, KLKL2, SCTE

**Gene Description**

kallikrein-related peptidase 5

**Omim ID**[605643](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

**Other Designations**

kallikrein 5|kallikrein-like protein 2|stratum corneum tryptic enzyme

## Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)