

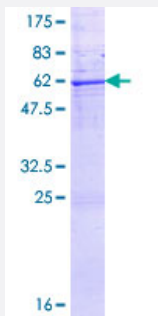
Full-Length

KLK7 (Human) Recombinant Protein (P01)

Catalog # H00005650-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KLK7 full-length ORF (NP_005037.1, 1 a.a. - 253 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARSLLLPLQILLLSLALETAGEEAAQGDKIIDGAPCARGSHPWQVALLSGNQLHCGGVLVNERWV
LTAAHCKMNEYTVHLGSDTLGDRRAQRIKASKSFRHPGYSTQTHVNDLMLVKLNSQARLSSMVK
KVRLPSRCEPPGTTCTVSGWGTTTSPDVTFPSDLMCVDVKLISPQDCTKVYKDLENSMLCAGIP
DSKKNACNGDSGGPLVCRGTLQGLVSWGTFPCGQPNDPGVYTQVCKFTKWINDTMKKHR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.90

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 — KLK7

Entrez GeneID [5650](#)

GeneBank Accession# [NM_005046.2](#)

Protein Accession# [NP_005037.1](#)

Gene Name KLK7

Gene Alias PRSS6, SCCE

Gene Description kallikrein-related peptidase 7

Omim ID [604438](#)

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 encoded enzyme is thought to be involved in the proteolysis of intercellular cohesive structures preceding desquamation, which is the shedding of the outermost layer of the epidermis. Alternative splicing of this gene results in two transcript variants encoding the same protein. [provided by RefSeq]

Other Designations kallikrein 7 (chymotryptic, stratum corneum)|protease, serine, 6|signal protein|stratum corneum chymotryptic enzyme

Disease

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- [Birth Weight](#)
- [Dermatitis](#)
- [Eczema](#)
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