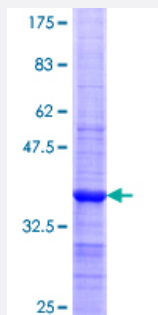


KLK4 (Human) Recombinant Protein (Q01)

Catalog # H00009622-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KLK4 partial ORF (NP_004908.2, 159 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GRMPTVLQCVNVSVVSEEVCSKLYDPLYHPSMFCAGGGQDQKDSCNGDSGGPLICNGYLQGLV SFGKAPCGQVGVPGVYTNLCKFTEWIEKTVQAS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.3
Interspecies Antigen Sequence	Mouse (69); Rat (70)
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 — KLK4

Entrez GeneID	9622
GeneBank Accession#	NM_004917
Protein Accession#	NP_004908.2
Gene Name	KLK4
Gene Alias	ARM1, EMSP, EMSP1, KLK-L1, MGC116827, MGC116828, PROSTASE, PRSS17, PSTS
Gene Description	kallikrein-related peptidase 4
Omim ID	204700 603767
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. In some tissues its expression is hormonally regulated. The expression pattern of a similar mouse protein in murine developing teeth supports a role for the protein in the degradation of enamel proteins. Alternate splice variants for this gene have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	androgen-regulated message 1 enamel matrix serine protease 1 kallikrein 4 (prostase, enamel matrix, prostate) kallikrein-like protein 1 protease, serine, 17

Disease

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- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
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