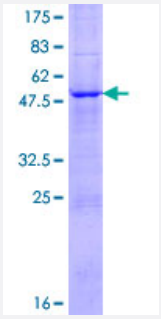
Full-Length

KLK6 (Human) Recombinant Protein (P01)

Catalog # H00005653-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KLK6 full-length ORF (NP_002765.1, 1 a.a. - 244 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKKLMVVLSLIAAAWAEEQNKLVHGGPCDKTSHPYQAALYTSGHLLCGGVLIHPLWVLTAAHCKK PNLQVFLGKHNLRQRESSQEQSSVVRAVIHPDYDAASHDQDIMLLRLARPAKLSELIQPLPLERD CSANTTSCHILGWGKTADGDFPDTIQCAYIHLVSREECEHAYPGQITQNMLCAGDEKYGKDSCQG DSGGPLVCGDHLRGLVSWGNIPCGSKEKPGVYTNVCRYTNWIQKTIQAK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.3
Interspecies Antigen Sequence	Mouse (68); Rat (67)
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 — KLK6

Entrez GeneID	5653
GeneBank Accession#	NM_002774.3
Protein Accession#	NP_002765.1
Gene Name	KLK6
Gene Alias	Bssp, Klk7, MGC9355, NEUROSIN, PRSS18, PRSS9, SP59, ZYME, hK6
Gene Description	kallikrein-related peptidase 6
Omim ID	602652
Gene Ontology	Hyperlink
Gene Summary	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing ev idence 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. The encoded enzyme is regulated by steroid h ormones. In tissue culture, the enzyme has been found to generate amyloidogenic fragments from the amyloid precursor protein, suggesting a potential for involvement in Alzheimer's disease. Multi ple alternatively spliced transcript variants that encode different isoforms have been identified for t his gene. [provided by RefSeq
Other Designations	kallikrein 6 (neurosin, zyme)|protease M|protease, serine, 18|protease, serine, 9

Disease

- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Prostatic Neoplasms