Recombinant Human KLK4 Protein, GST-tagged

Cat. No. KLK4-4936H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KLK4 full-length ORF (AAH69429.1, 1 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	53.4 kDa
AA Sequence	MATAGNPWGWFLGYLILGVAGSLVSGSCSQIINGEDCSPHSQPWQAALVMENELF CSGVLVHPQWVLSAAHCFQNSYTIGLGLHSLEADQEPGSQMVEASLSVRHPEYNR PLLANDLMLIKLDESVSESDTIRSISIASQCPTAGNSCLVSGWGLLANGRMPTVLQCV NVSVVSEEVCSKLYDPLYHPSMFCAGGGQDQKDSCNGDSGGPLICNGYLQGLVSF GKAPCGQVGVPGVYTNLCKFTEWIEKTVQAS
Applications	Enzyme-linked Immunoabsorbent Assay

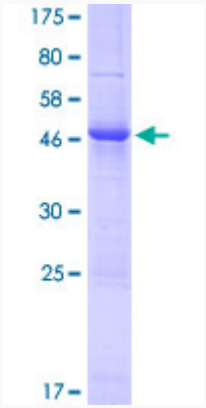
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	KLK4 kallikrein-related peptidase 4 [Homo sapiens]
Official Symbol	KLK4
Synonyms	KLK4; kallikrein-related peptidase 4; kallikrein 4 (prostase, enamel matrix, prostate) , PRSS17; kallikrein-4; EMSP; EMSP1; KLK L1; PSTS; prostase; serine protease 17; kallikrein-like protein 1; androgen-regulated message 1; enamel matrix serine protease 1; enamel matrix serine proteinase 1; ARM1; AI2A1; KLK-L1; PRSS17; kallikrein; MGC116827; MGC116828;
Gene ID	9622
mRNA Refseq	NM_004917
Protein Refseq	NP_004908
MIM	603767
UniProt ID	Q9Y5K2

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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