

Recombinant Human KLK4 Protein, His-tagged

Cat. No. KLK4-078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KLK4 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	254
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. Several transcript variants encoding different proteins have been found for this gene.
Form	Lyophilized
Molecular Mass	25.2 kDa
AA Sequence	MATAGNPWGWFLGYLILGVAGSLVSGSCSQIINGEDCSPHSQPWQAALVMENELF CSGVLVHPQWVLSAAHCFQNSYITIGLGLHSLEADQEPGSQMVEASLSVRHPEYNR PLLANDLMLIKLDESVSSED TIRSIASQCPTAGNSCLVSGWGLLANGRMPTVLQCV NVS VVSEEVCSKLYDPLYHPSMFCAGGGHDQKDSCNGDSGGPLICNGYLQGLVSF

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	GKAPCGQVGVPGVYTNLCKFTEWIEKTVQAS
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	KLK4 kallikrein-related peptidase 4 [Homo sapiens (human)]
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;

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kallikrein; MGC116827; MGC116828;

Gene ID 9622**mRNA Refseq** NM_004917**Protein Refseq** NP_004908**MIM** 603767**UniProt ID** Q9Y5K2 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