



KLK4 peptide (DAG-P0728)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen 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, Jul 2008] |
| Specificity | Expressed in prostate. |
| Purity | > 95 % by SDS-PAGE. |
| Conjugate | Unconjugated |
| Applications | ELISA, WB |
| Sequence Similarities | Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain. |
| Format | Liquid |
| Buffer | Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75 |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75 |

GENE INFORMATION

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| Gene Name | KLK4 kallikrein-related peptidase 4 [Homo sapiens (human)] |
| Official Symbol | KLK4 |
| Synonyms | KLK4; kallikrein-related peptidase 4; ARM1; EMSP; PSTS; AI2A1; EMSP1; KLK-L1; PRSS17; kallikrein; kallikrein-4; prostase; serine protease 17; kallikrein-like protein 1; androgen-regulated message 1; enamel matrix serine protease 1; enamel matrix serine proteinase 1; |
| Entrez Gene ID | 9622 |
| mRNA Refseq | NM_004917.3 |
| Protein Refseq | NP_004908.3 |
| UniProt ID | Q9Y5K2 |
| Chromosome Location | 19q13.41 |
| Function | metal ion binding; serine-type endopeptidase activity; serine-type peptidase activity; |
