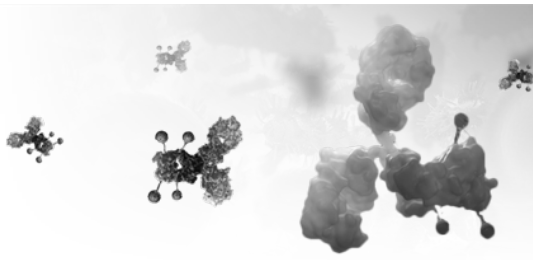

KLK2 peptide (DAG-P0725)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Jan 2012]
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, 150M Sodium chloride, 30mM HEPES, 2mM EDTA, 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, 150M Sodium chloride, 30mM HEPES, 2mM EDTA, pH 6.75

GENE INFORMATION

Gene Name	KLK2 kallikrein-related peptidase 2 [Homo sapiens (human)]

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Official Symbol	KLK2
Synonyms	KLK2; kallikrein-related peptidase 2; hK2; hGK-1; KLK2A2; kallikrein-2; tissue kallikrein-2; glandular kallikrein 2; glandular kallikrein-1; kallikrein 2, prostatic;
Entrez Gene ID	3817
mRNA Refseq	NM_001002231.2
Protein Refseq	NP_001002231.1
UniProt ID	B4DU77
Chromosome Location	19q13.41
Pathway	Activation of Matrix Metalloproteinases, organism-specific biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Extracellular matrix organization, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Pr
Function	serine-type endopeptidase activity;

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