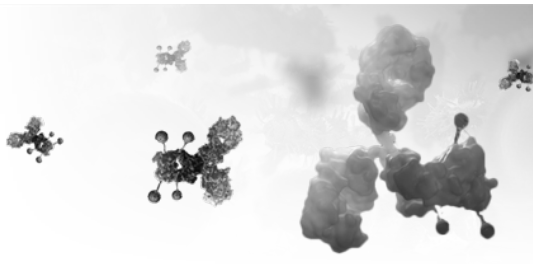

KLK1 peptide (DAG-P0695)

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

PRODUCT INFORMATION

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. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008]
Specificity	Isoform 2 is expressed in pancreas, salivary glands, kidney, colon, prostate gland, testis, spleen and the colon adenocarcinoma cell line T84.
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	KLK1 kallikrein 1 [Homo sapiens (human)]
Official Symbol	KLK1
Synonyms	KLK1; kallikrein 1; hK1; KLKR; Klk6; kallikrein-1; tissue kallikrein; glandular kallikrein 1; kallikrein serine protease 1; kallikrein 1, renal/pancreas/salivary; kidney/pancreas/salivary gland kallikrein;
Entrez Gene ID	3816
mRNA Refseq	NM_002257.3
Protein Refseq	NP_002248.1
UniProt ID	P06870
Chromosome Location	19q13.3
Pathway	Blood Clotting Cascade, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Metabolism of proteins, organism-specific biosystem; Regulation of Insulin-like Growth Factor (IGF) Transport and Uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs), organism-specific biosystem;
Function	serine-type endopeptidase activity;

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