



KLK6 peptide (DAG-P0731)

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. The encoded enzyme is regulated by steroid hormones. In tissue culture, the enzyme has been found to generate amyloidogenic fragments from the amyloid precursor protein, suggesting a potential for involvement in Alzheimers disease. Multiple alternatively spliced transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
Specificity	In fluids, highest levels found in milk of lactating women followed by cerebrospinal fluid, nipple aspirate fluid and breast cyst fluid. Also found in serum, seminal plasma and some amniotic fluids and breast tumor cytosolic extracts. Not detected in urin
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. Avoid freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

GENE INFORMATION

Gene Name	KLK6 kallikrein-related peptidase 6 [Homo sapiens (human)]
Official Symbol	KLK6
Synonyms	KLK6; kallikrein-related peptidase 6; hK6; Bssp; Klk7; SP59; PRSS9; PRSS18; kallikrein-6; zyme; neurosin; protease M; serine protease 9; serine protease 18;
Entrez Gene ID	5653
mRNA Refseq	NM_001012964.1
Protein Refseq	NP_001012982.1
UniProt ID	Q92876
Chromosome Location	19q13.3
Pathway	Alpha-synuclein signaling, organism-specific biosystem;
Function	protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity;