



KLK5 peptide (DAG-P0729)

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. Its expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]
Specificity	Expressed in skin, breast, brain and testis. Expressed at the stratum granulosum of palmar skin.
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	KLK5 kallikrein-related peptidase 5 [Homo sapiens (human)]
Official Symbol	KLK5
Synonyms	KLK5; kallikrein-related peptidase 5; SCTE; KLKL2; KLK-L2; kallikrein-5; kallikrein 5; kallikrein-like protein 2; stratum corneum tryptic enzyme;
Entrez Gene ID	25818
mRNA Refseq	NM_001077491.1
Protein Refseq	NP_001070959.1
UniProt ID	Q9Y337
Chromosome Location	19q13.33
Function	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;