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Datasheet for ABIN6387623

**Kallikrein 13 Protein (AA 17-277) (His tag)**

## Overview

Quantity:	100 µg
Target:	Kallikrein 13 (KLK13)
Protein Characteristics:	AA 17-277
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Kallikrein 13 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	GGVSQESSKV LNTNGTSGFL PGGYTCFPHS QPWQAALLVQ GRLLCGGVLV HPKWVLTAAH CLKEGLKVYL GKHALGRVEA GEQVREVVHS IPHPEYRRSP THLNHDHDIM LLELQSPVQL TGYIQTLP LS HNNRLTPGTT CRVSGWGTTT SPQVNYPKTL QCANIQLRSD EECRQVYPGK ITDNMLCAGT KEGGKDSCEG DSGGPLVCNR TLYGIVSWG D FPCGQPDRPG VYTRVSRVYL WIRETIRKYE TQQQKWLKGP QHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 8,000 pmol/min/ug. One unit will hydrolyze 1.0 pmole of BAEE to Na-Benzoyl-L-arginine per minute at pH8.0 at 25C.

## Target Details

Target:	Kallikrein 13 (KLK13)
Alternative Name:	KLK13 ( <a href="#">KLK13 Products</a> )
Background:	KLK13, also known as kallikrein-13, belongs to Kallikrein subfamily. 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. KLK13 is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer. An additional transcript variant has been identified, but its full length sequence has not been determined. Recombinant human KLK13, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	29.7kDa (267aa) 28-40KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	<a href="#">NP_056411</a>
UniProt:	<a href="#">Q9UKR3</a>
Pathways:	<a href="#">Complement System</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.