

Datasheet for ABIN5854782

Kallikrein 5 Protein (KLK5) (AA 67-293) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Kallikrein 5 (KLK5)
Protein Characteristics:	AA 67-293
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADLIINGSDC DMHTQPWQAA LLLRPNQLYC GAVLVHPQWL LTAAHCRKKV FRVRLGHYSL SPVYESGQQM FQGVKSIPHP GYSHPGHSND LMLIKLNRRRI RPTKDVRPIN VSSHCP SAGT KCLVSGWGTT KSPQVHFPKV LQCLNISVLS QKRCEDAYPR QIDDTMF CAG DKAGR DSCQG DSGGPVVCNG SLQGLVSWGD YPCARPNRPG VYTNLCKFTK WIQETIQANS HHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	Kallikrein 5 (KLK5)
Alternative Name:	KLK5 (KLK5 Products)
Background:	KLK5, also known as kallikrein-5, is one of the newly identified members of the kallikrein gene

Target Details

family, which is a subgroup of the serine protease enzyme family. It is highly expressed in skin, mammary gland and testis. KLK5 has been suggested to regulate cell shedding (desquamation) in conjunction with KLK7 and KLK14, given its ability to degrade proteins which form the extracellular component of cell junctions in the stratum corneum. It is proposed that KLK5 regulates this process since it is able to self-activate in addition to activating KLK7 and KLK14. Recombinant human KLK5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

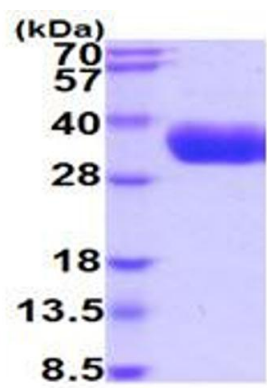
Molecular Weight:	26.2kDa (236aa) 28-40kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_001070960
UniProt:	Q9Y337
Pathways:	Complement System , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.