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Datasheet for ABIN1097023 OPN5 Protein (AA 29-260) (His tag)



Overview	

Quantity:	50 µg
Target:	OPN5
Protein Characteristics:	AA 29-260
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OPN5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 8/Neuropsin (C-6His)
Sequence:	QEDKVLGGHE CQPHSQPWQA ALFQGQQLLC GGVLVGGNWV LTAAHCKKPK YTVRLGDHSL
	QNKDGPEQEI PVVQSIPHPC YNSSDVEDHN HDLMLLQLRD QASLGSKVKP ISLADHCTQP
	GQKCTVSGWG TVTSPRENFP DTLNCAEVKI FPQKKCEDAY PGQITDVMVC AGSSKGADTC
	QGDSGGPLVC DGALQGITSW GSDPCGRSDK PGVYTNICRY LDWIKKIIGS KGVDHHHHHH
Characteristics:	Recombinant Human Kallikrein 8 is produced with our mammalian expression system in
	human cells. The target protein is expressed with sequence (Gln29-GLy260) of Human KLK8
	fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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Target Details	
Target:	OPN5
Alternative Name:	neuropsin (OPN5 Products)
Sub Type:	Fusionprotein
Background:	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 encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. Alternative Names: Kallikrein-8, hK8, Neuropsin, NP, Ovasin, Serine Protease 19, Serine Protease TADG-14, Tumor-Associated Differentially Expressed Gene 14 Protein, KLK8, NRPN, PRSS19, TADG14
Molecular Weight:	26.04 kDa
UniProt:	060259
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months

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