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Datasheet for ABIN5854850

Kallikrein 8 Protein (KLK8) (AA 29-260) (His tag)**1** Image

Overview

Quantity:	50 µg
Target:	Kallikrein 8 (KLK8)
Protein Characteristics:	AA 29-260
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	QGSKILEGRE CIPHSQPWQA ALFQGERLIC GGVLVGDRWV LTAAHCKKQK YSVRLGDHSL QSRDQPEQEI QVAQSIQHPC YNNSNPEDHS HDIMLIRLQN SANLGDKVKP VQLANLCPKV GQKCIISGWG TVTSPQENFP NTLNCAEVKI YSQNK CERAY PGKITEGMVC AGSSNGADTC QGDSGGPLVC DGMLQGITSW GSDPCGKPEK PGVYTKICRY TTWIKKTMDN RDLEHHHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	Kallikrein 8 (KLK8)
Alternative Name:	Klk8 (KLK8 Products)
Background:	Klk8, as known as kallikrein-8, is a member of the tissue kallikrein family. This protein is capable

Target Details

of degrading a number of proteins such as casein, fibrinogen, fibronectin and collagen type IV. Also, it cleaves L1CAM in response to increased neural activity and induces neurite outgrowth and fasciculation of cultured hippocampal neurons. It plays a role in the formation and maturation of orphan and small synaptic boutons in the Schaffer-collateral pathway, regulates Schaffer-collateral long-term potentiation in the hippocampus and is required for memory acquisition and synaptic plasticity. Recombinant mouse Klk8, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 26.5kDa (240aa) 28-40kDa (SDS-PAGE under reducing conditions.)

NCBI Accession: [NP_032966](#)

UniProt: [Q61955](#)

Pathways: [Complement System](#)

Application Details

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

Restrictions: For Research Use only

Handling

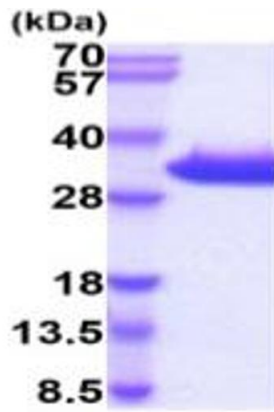
Format: Liquid

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.