

Klk8, 29-260aa, Mouse, His-tag, Baculovirus

Cat.NO.: TP02753

3th Edition

Synonyms:Kallikrein-8, Klk8, BSP1, NP, Nrpn, Prss19, Neuropsin

Description:Klk8, as known as kallikrein-8, is a member of the tissue kallikrein family. This protein is capable 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

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

Sequences:

QGSKILEGRECIPIHSQPWQAALFQGERLICGGVLVGDRWVLTAHCKKQKYSVRLGDHSLQSRDQPEQEIQVAQS
IQHPCYNNSNPEDHSHDIMLIRLQNSANLGDKVKPVQLANLCPKVGQKCIISGWGTVTSPQENFPNTLNCAEVKIYS
QNK CERAYPGKITEGMVCAGSSNGADTCQGDSGGPLVCDGMLQGITSWGSDPCGKPEKPGVYTKICRYTTWIKK
TMDNRDLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.