abcam

Product datasheet

Recombinant Mouse Kallikrein 8/KLK8 protein (His tag) ab223010

1 Image

Description

Product name	Recombinant Mouse Kallikrein 8/KLK8 protein (His tag)
Purity	> 95 % SDS-PAGE. Affinity purified
Endotoxin level	< 1.000 Eu/µg
Expression system	Baculovirus infected insect cells
Accession	**Q61955**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	QGSKILEGRECIPHSQPWQAALFQGERLICGGVLVGDRW VLTAAHCKKQK YSVRLGDHSLQSRDQPEQEIQVAQSIQHPCYNNSNPEDH SHDIMLIRLQN SANLGDKVKPVQLANLCPKVGQKCIISGWGTVTSPQENF PNTLNCAEVKI YSQNKCERAYPGKITEGMVCAGSSNGADTCQGDSGGPL VCDGMLQGITSW GSDPCGKPEKPGVYTKICRYTTWIKKTMDNRDLEHHHHHH
Predicted molecular weight	27 kDa including tags
Amino acids	29 to 260
Tags	His tag C-Terminus
Additional sequence information	Full-length protein lacking the signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab223010** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Additional notes	This product was previously labelled as Kallikrein 8

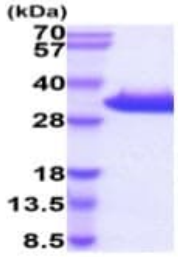
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 7.40 Constituents: PBS, 10% Glycerol (glycerin, glycerine)

General Info

Function	Serine protease which is capable of degrading a number of proteins such as casein, fibrinogen, kininogen, fibronectin and collagen type IV. Also cleaves L1CAM in response to increased neural activity. Induces neurite outgrowth and fasciculation of cultured hippocampal neurons. 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. Involved in skin desquamation and keratinocyte proliferation. Plays a role in the secondary phase of pathogenesis following spinal cord injury.
Tissue specificity	Isoform 1 is predominantly expressed in the pancreas. Isoform 2 is expressed in adult brain and hippocampus. Isoform 1 and isoform 2 are found in fetal brain and placenta. Detected in salivary gland, uterus, thymus, breast, testis and kidney but not in spleen, liver, lung or normal ovarian tissue. Displays an 11.5-fold increase in Alzheimer disease hippocampus compared to controls and is overexpressed in some ovarian carcinomas. Expressed at low levels in normal skin while high levels are found in psoriasis vulgaris, seborrheic keratosis, lichen planus and squamous cell carcinoma skin samples. Expressed in the keratinocytes.
Sequence similarities	Belongs to the peptidase S1 family. Kallikrein subfamily. Contains 1 peptidase S1 domain.
Cellular localization	Secreted. Cytoplasm. Shows a cytoplasmic distribution in the keratinocytes.

Images



SDS-PAGE - Recombinant Mouse Kallikrein 8/KLK8 protein (His tag) (ab223010)

3 µg ab223010 analysed by 15% SDS-PAGE.

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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