NKMAXBio We support you, we believe in your research

Recombinant human ADAM10 protein

Catalog Number: ATGP3448

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

214-672aa

UniProt No.

014672

NCBI Accession No.

NP 001101

Alternative Names

Disintegrin and metalloproteinase domain-containing protein 10 isoform 1, ADAM10, AD10, AD18, CD156c, HsT18717, kuz, MADM, RAK

Additional Information

N- terminal Sequence Analysis: Thr-Thr-Ser-Ala-Glu

PRODUCT SPECIFICATION

Molecular Weight

51.6 kDa (467aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND



NKMAXBIO We support you, we believe in your research

Recombinant human ADAM10 protein

Catalog Number: ATGP3448

Description

ADAM10, as known as disintegrin and metalloproteinase domain-containing protein 10 isoform 1, is a member of the ADAM family that contains a disintegrin and metallogrotease-like domain. This protein is a sheddase, and has a broad specificity for peptide hydrolysis reactions. Also, it cleaves ephrin, within the ephrin/eph complex, formed between two cell surfaces. When ephrin is freed from the opposing cell, the entire ephrin/eph complex is endocytosed. In neurons, ADAM10 is the most important enzyme with alpha-secretase activity for proteolytic processing of the amyloid precursor protein. Recombinant human ADAM10, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

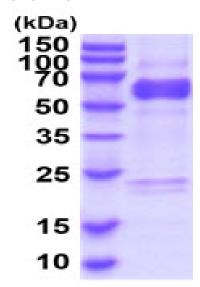
TTSAEKNTCQ LYIQTDHLFF KYYGTREAVI AQISSHVKAI DTIYQTTDFS GIRNISFMVK RIRINTTADE KDPTNPFRFP NIGVEKFLEL NSEQNHDDYC LAYVFTDRDF DDGVLGLAWV GAPSGSSGGI CEKSKLYSDG KKKSLNTGII TVQNYGSHVP PKVSHITFAH EVGHNFGSPH DSGTECTPGE SKNLGQKENG NYIMYARATS GDKLNNNKFS LCSIRNISQV LEKKRNNCFV ESGQPICGNG MVEQGEECDC GYSDQCKDEC CFDANQPEGR KCKLKPGKQC SPSQGPCCTA QCAFKSKSEK CRDDSDCARE GICNGFTALC PASDPKPNFT DCNRHTQVCI NGQCAGSICE KYGLEECTCA SSDGKDDKEL CHVCCMKKMD PSTCASTGSV QWSRHFSGRT ITLOPGSPCN DFRGYCDVFM RCRLVDADGP LARLKKAIFS PELYENIAEL EHHHHHH

General References

Park GB., et al, (2015) Invest. Ophthalmol. Vis. Sci. 56:5162-5173. Zingoni A., et al, (2015) J. Immunol. 195:736-748.

DATA





15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

