abcam

Product datasheet

Recombinant Human ATG4B protein ab123195

1 Image

Description

Product name Recombinant Human ATG4B protein

Purity > 90 % SDS-PAGE.

ab123195 is purified using conventional chromatography techniques.

Expression system Escherichia coli

Accession Q9Y4P1

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MDAATLTYDT LRFAEFEDFP ETSEPVWILG RKYSIFTEKD

EILSDVASRL WFTYRKNFPA IGGTGPTSDT GWGCMLRCGQ MIFAQALVCR HLGRDWRWTQ

RKRQPDSYFS VLNAFIDRKD SYYSIHQIAQ MGVGEGKSIG

QWYGPNTVAQ VLKKLAVFDT WSSLAVHIAM DNTVVMEEIR RLCRTSVPCA GATAFPADSD RHCNGFPAGA EVTNRPSPWR PLVLLIPLRL

GLTDINEAYV ETLKHCFMMP QSLGVIGGKP NSAHYFIGYV

GEELIYLDPH TTQPAVEPTD GCFIPDESFH
CQHPPCRMSI AELDPSIAVG FFCKTEDDFN
DWCQQVKKLS LLGGALPMFE LVEQQPSHLA
CPDVLNLSLD SSDVERLERF FDSEDEDFEI

LSLLEHHHHH H

Predicted molecular weight 45 kDa including tags

Amino acids 1 to 393

Tags His tag C-Terminus

Specifications

Our <u>Abpromise guarantee</u> covers the use of ab123195 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

Mass Spectrometry

1

Mass spectrometry

MALDI-TOF

Form

Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 0.002% PMSF, 0.02% DTT, 0.32% Tris HCI, 20% Glycerol (glycerin, glycerine)

General Info

Function

Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes.

Tissue specificity

Mainly expressed in the skeletal muscle, followed by brain, heart, liver and pancreas.

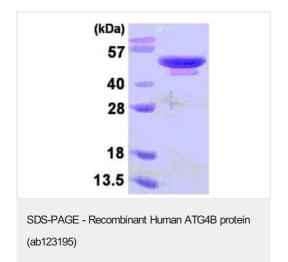
Sequence similarities

Belongs to the peptidase C54 family.

Cellular localization

Cytoplasm.

Images



15% SDS-PAGE showing ab123195 (3μg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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