abcam

Product datasheet

Recombinant Human Mob1A protein ab102026

1 Image

Description

Product name	Recombinant Human Mob1A protein
Purity	> 95 % SDS-PAGE. ab102026 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	**Q9H8S9**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSH**MSFLFSSRSSKTFKPKKN IPEGSHQYELLK HAEATLGSGNLRQAVMLPEGEDLNEWIAVNTVDFFNQINM LYGTITEFCT EASCPVMSAGPRYEYHWADGTNIKKPIKCSAPKYIDYLMT WVQDQLDDET LFPSKIGVPFPKNFMSVAKTILKRLFRVYAHIYHQHFDSVM QLQEEAHLN TSFKHFIFFVQEFNLIDRRELAPLQELIEKLGSKDR
Predicted molecular weight	27 kDa including tags
Amino acids	1 to 216
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab102026** 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
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	This product was previously labelled as MOBK1B

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 or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.077% DTT, 0.316% Tris HCl, 30% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

General Info

Function

Activator of LATS1/2 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Stimulates the kinase activity of STK38 and STK38L.

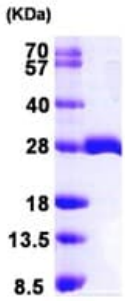
Tissue specificity

Adrenal gland, bone marrow, brain, placenta, prostate, salivary gland, skeletal muscle, testis, thymus, thyroid gland, heart, spinal cord, fetal brain and fetal liver.

Sequence similarities

Belongs to the MOB1/phocein family.

Images



SDS-PAGE - Recombinant Human Mob1A protein (ab102026)

15% SDS-PAGE analysis of ab102026 (3µg)

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- 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

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