

Recombinant Human AMSH protein ab139803

1 Image

Description

Product name	Recombinant Human AMSH protein
Purity	> 85 % SDS-PAGE. ab139803 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>O95630</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSDHGDV SLPPEDRVRA LSQLGSAVEV NEDIPRRYF RSGVEIIRMA SIYSEEGNIE HAFILYNKYI TLFIEKLPKH RDYKSAVIPE KKDTVKKLKE IAFPKAEELK AELLKRYTKE YTEYNEEKKK EAEELARNMA IQQELEKEKQ RVAQQKQQQL EQEQFHAFEE MIRNQELEKE RLKIVQEF GK VDPGLGGPLV PDLEKPSLDV FPTLTVSSIQ PSDCHTTVRP AKPPVVDRSL KPGALSNSSES IPTIDGLRHV VVPGR LCPQF LQLASANTAR GVETCGILCG KLMRNEFTIT HVLIPKQSAG SDYCNTEENEE ELFLIQDQQG LITLGWIH TH PTQT AFLSSV DLHTHCSYQM MLPESVAVC SPKFQETGFF KLTDHGLEEI SSCRQKGFHP HSKDPPLFCS CSHVTVDRA VTITDLR
Predicted molecular weight	50 kDa including tags
Amino acids	1 to 424
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab139803** 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
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**Form** Liquid

## 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: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

## General Info

**Function** Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Functions at the endosome and is able to oppose the ubiquitin-dependent sorting of receptors to lysosomes. Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7.

**Tissue specificity** Ubiquitously expressed.

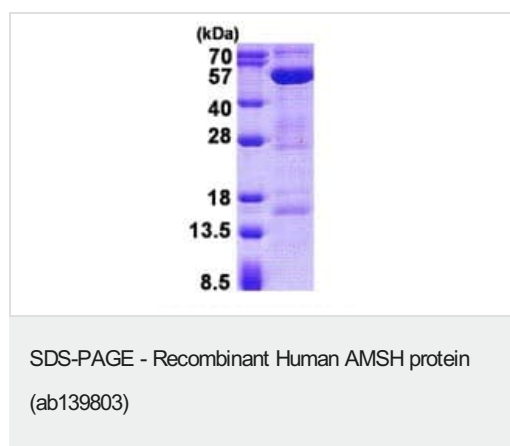
**Sequence similarities** Belongs to the peptidase M67C family. Contains 1 MPN (JAB/Mov34) domain.

**Domain** The JAMM motif is essential for the protease activity.

**Post-translational modifications** Phosphorylated after BMP type I receptor activation. Ubiquitinated by SMURF2 in the presence of RNF11.

**Cellular localization** Nucleus. Membrane. Cytoplasm. Early endosome.

## Images



15% SDS-PAGE analysis of ab139803 (3µg).

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

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