

Product datasheet

Recombinant Human UBE2M/UBC12 protein ab128447

1 Image

Overview

Product name	Recombinant Human UBE2M/UBC12 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P61081
Species	Human

Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSHEMIKLFSS LKQQKKEEES AGGTEKGSSEK ASAAQLRIQK DINELNLPKT CDISFSDPDD LLNFKLVICP DEGFYKSGKF VFSFKVGGGY PHDPPKVKCE TMVYHPNIDL EGNVCLNLR EDWKPVLTI SIYGLQYLF LEPNPEPLN KEAAEVLQNN RRLFEQNVQR SMRGGYIGST YFERCLK</p>
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Molecular weight	24 kDa including tags
Amino acids	1 to 183
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab128447** in the following tested applications.

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

Applications	<p>SDS-PAGE</p> <p>Mass Spectrometry</p>
Mass spectrometry	MALDI-TOF
Purity	<p>> 95 % SDS-PAGE.</p> <p>ab128447 was purified using conventional chromatography.</p>
Form	Liquid

Additional notes

This product was previously labelled as UBE2M

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, 1.17% Sodium chloride

General Info

Function

Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Involved in cell proliferation.

Pathway

Protein modification; protein neddylation.

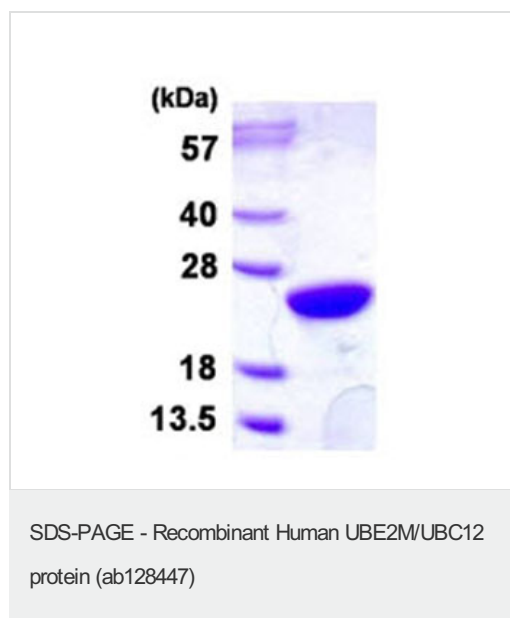
Sequence similarities

Belongs to the ubiquitin-conjugating enzyme family. UBC12 subfamily.

Domain

Both the N-terminal docking peptide and the catalytic core domain must bind the UBA3-NAE1 complex simultaneously for optimal transfer of NEDD8.

Images



15% SDS-PAGE analysis of ab128447 (3 µg).

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