

Product datasheet

Recombinant Human UBE2M/UBC12 protein ab128447

1 Image

Description

<b>Product name</b>	Recombinant Human UBE2M/UBC12 protein	
<b>Purity</b>	> 95 % SDS-PAGE. ab128447 was purified using conventional chromatography.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P61081</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMIKLFS LKQQKKEEES AGGTKGSSKK ASAAQLRIQK DINELNLPKT CDISFSDPDD LLNFKLVICP DEGFYKSGKF VFSFKVGGQY PHDPPKVKCE TMVYHPNIDL EGNVCLNLR EDWKPVL TIN SIYGLQYLF LEPNPEDPLN KEAAEVLQNN RRLFEQNVQR SMRGGYIGST YFERCLK	
<b>Predicted molecular weight</b>	24 kDa including tags	
<b>Amino acids</b>	1 to 183	
<b>Tags</b>	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.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as UBE2M

## Preparation and Storage

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### 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

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### 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.

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## Images

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

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

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