

## Product datasheet

# Recombinant Human UBE2I / UBC9 protein (BSA and azide free) ab173073

### Description

<b>Product name</b>	Recombinant Human UBE2I / UBC9 protein (BSA and azide free)	
<b>Purity</b>	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P63279</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Carrier free</b>	Yes	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	<p>MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDK            WRNKKFELGL            EFPNLPYYIDGDVKLTQSMAIRYADKHNMLGGCPKERAEL            SMLEGAVL            DIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKT            YLNGDHVTH            PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDK            YLKSSKYIA            WPLQGWAQTFGGGDHPPKSDLVPRGSHMSGIALSRLAQ            ERKAWRKDHPFG            FVAVPTKNPDGTMNLMNWECAIPGKKGTPWEGGLFKLR            MLFKDDYPSSPP            KCKFEPPLFHPNVYPSGTVCLSILEEDKDWRPATIKQILLG            IQELLNEP            NIQDPAQAEAYTYCQNRVEYEKRVRAQAKKFAPS</p>	
<b>Predicted molecular weight</b>	44 kDa including tags	
<b>Amino acids</b>	1 to 158	
<b>Tags</b>	proprietary tag N-Terminus	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab173073** in the following tested applications.

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

**Applications** HPLC  
SDS-PAGE

**Form** Liquid

## Preparation and Storage

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**Stability and Storage** Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  
pH: 7.50  
Constituents: 1.19% HEPES, 0.88% Sodium chloride

## General Info

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**Function** Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3 and SUMO4 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2 or CBX4. Necessary for sumoylation of FOXL2 and KAT5. Essential for nuclear architecture and chromosome segregation.

**Tissue specificity** Expressed in heart, skeletal muscle, pancreas, kidney, liver, lung, placenta and brain. Also expressed in testis and thymus.

**Pathway** Protein modification; protein sumoylation.

**Sequence similarities** Belongs to the ubiquitin-conjugating enzyme family.

**Cellular localization** Nucleus. Cytoplasm. Mainly nuclear. In spermatocytes, localizes in synaptonemal complexes. Recruited by BCL11A into the nuclear body.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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