abcam

Product datasheet

Recombinant Human UBC4 protein ab109971

1 Image

Description

Product name	Recombinant Human UBC4 protein
Purity	> 95 % SDS-PAGE. ab109971 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P62837
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSH**MALKRIHKELNDLARDPP AQCSAGPVGDDM FHWQATIMGPNDSPYQGGVFFLTIHFPTDYPFKPPKVAFT TRIYHPNINS NGSICLDILRSQWSPALTISKVLLSICSLLCDPNPDDPLVPE IARIYKTD REKYNRIAREWTQKYAM
Predicted molecular weight	19 kDa including tags
Amino acids	1 to 167
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab109971** 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 UBE2D2

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: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.058% Sodium chloride

General Info

Function

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection. Essential for viral activation of IRF3.

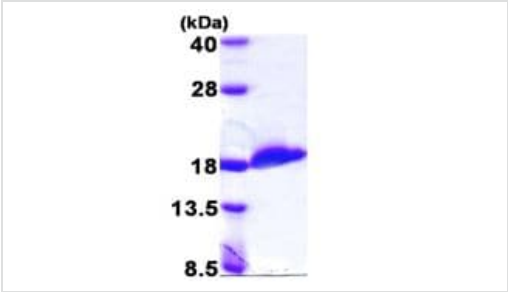
Pathway

Protein modification; protein ubiquitination.

Sequence similarities

Belongs to the ubiquitin-conjugating enzyme family.

Images



SDS-PAGE - Recombinant Human UBC4 protein (ab109971)

15% SDS-PAGE analysis of 3 µg ab109971.

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- Replacement or refund for products not performing as stated on the datasheet
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- 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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