

Product datasheet

Recombinant Human E3 ubiquitin-protein ligase MUL1 ab153508

1 Image

Description

Product name	Recombinant Human E3 ubiquitin-protein ligase MUL1	
Expression system	Wheat germ	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQELK GAKKVHLGED LKSILSEAPGKCVPIYAVIEGAVRSVKETLNSQFVENCKGVI QRLTLQEHK MVWNRTHLWNDCKSKIIHQRTNTVPFDLVPHEGVDVAV RVLKPLDSVDL GLETVYEKHFPSIQSFTDVIGHYISGERPKGIQETEEMLKVG ATLTGVGE LVLNNSVRLQPPKQGMQYLLSSQDFDSSLQRQESSVRL WKVLALVFGFA TCATLFFILRKQYLQRQERLRKQMQEEFQEHEAQLLSRA KPEDRESLKS ACVVCLSSFKSCVFLECGHVCSCTECYRALPEPKKCPIC RQAITRVIPLYNS</p>	
Amino acids	1 to 352	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab153508** in the following tested applications.

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

Applications	ELISA
	Western blot
Form	Liquid

Additional notes

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Exhibits weak E3 ubiquitin-protein ligase activity, but preferentially acts as a SUMO E3 ligase at physiological concentrations. Plays a role in the control of mitochondrial morphology. Promotes mitochondrial fragmentation and influences mitochondrial localization. Inhibits cell growth. When overexpressed, activates JNK through MAP3K7/TAK1 and induces caspase-dependent apoptosis. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.

Tissue specificity

Widely expressed with highest levels in the heart, skeletal muscle, placenta, kidney and liver. Barely detectable in colon and thymus.

Pathway

Protein modification; protein ubiquitination.

Protein modification; protein sumoylation.

Sequence similarities

Contains 1 RING-type zinc finger.

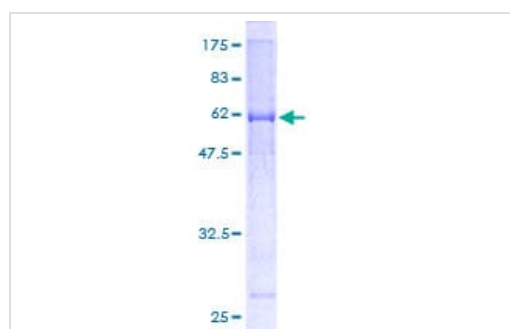
Domain

The zinc finger domain is required for E3 ligase activity.

Cellular localization

Mitochondrion outer membrane. Peroxisome. Transported in mitochondrion-derived vesicles from the mitochondrion to the peroxisome.

Images



SDS-PAGE - Recombinant Human E3 ubiquitin-protein ligase MUL1 (ab153508)

ab153508 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

-
- Replacement or refund for products not performing as stated on the datasheet
 - Valid for 12 months from date of delivery
 - 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

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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors