

Product datasheet

Recombinant Human RING1 protein ab112348

1 Image

Description

<b>Product name</b>	Recombinant Human RING1 protein
<b>Biological activity</b>	useful for Antibody Production and Protein Array
<b>Expression system</b>	Wheat germ
<b>Accession</b>	<a href="#">Q06587</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MDGTEIAVSPRSLHSELMCPICLDMLKNTMTTKECLHRFC            SDCIVTALRS            GNKECPTCRKLVSKRSLRPDPNFDALISKIYPSREEYEA            HQDRVLIRLS            RLHNQQALSSSIEEGLRMQAMHRAQRVRRPIPGSDQTTT            MSGGEGEPGEG            EGDGEDVSSDSAPDSAPGPAPKRPRGGGAGGSSVGTG            GGGTGGVGGGAGS            EDSGDRGGTLGGGTLGPPSPPGAPSPPEPGGEIELVFRP            HPLLVEKGEYC            QTRYVKTGNATVDHLSKYLALRIALERRQQQEAGEPPGP            GGGASDTGGP            DGC GGEGGGAGGGDGPEEPALPSLEGVSEKQYTIYAPG            GGAF TTLNGSL TLELVNEKFWKVS RPLELCYAPTKDPK</p>
<b>Predicted molecular weight</b>	67 kDa including tags
<b>Amino acids</b>	1 to 377
<b>Tags</b>	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab112348** 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
	Western blot

ELISA

**Form** Liquid

**Additional notes** useful for Antibody Production and Protein Array

## 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

Glutathione is reduced

## General Info

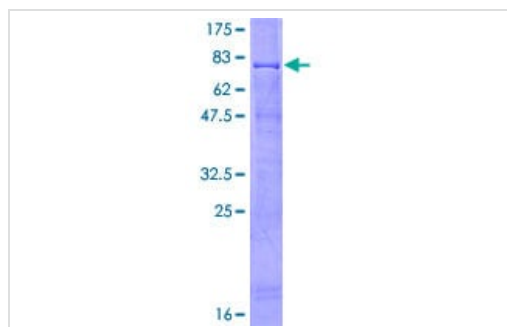
**Function** Constitutes one of the E3 ubiquitin-protein ligases that mediate monoubiquitination of 'Lys-119' of histone H2A, thereby playing a central role in histone code and gene regulation. H2A 'Lys-119' ubiquitination gives a specific tag for epigenetic transcriptional repression and participates in X chromosome inactivation of female mammals. Essential component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex act via chromatin remodeling and modification of histones, rendering chromatin heritably changed in its expressibility. Compared to RNF2/RING2, it does not have the main E3 ubiquitin ligase activity on histone H2A, and it may rather act as a modulator of RNF2/RING2 activity.

**Pathway** Protein modification; protein ubiquitination.

**Sequence similarities** Contains 1 RING-type zinc finger.

**Cellular localization** Nucleus speckle.

## Images



12.5% SDS-PAGE showing ab112348 at approximately 67.47kDa stained with Coomassie Blue.

SDS-PAGE - Recombinant Human RING1 protein  
(ab112348)

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

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- 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.

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