

Datasheet for ABIN7562375
RING1 Protein (AA 1-406) (His tag)



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Overview

Quantity:	1 mg
Target:	RING1
Protein Characteristics:	AA 1-406
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RING1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ring1 Protein expressed in mammalian cells.
Sequence:	<p>MTTPANAQNA SKTWELSLYE LHRTPEAIM DGTEIAVSPR SLHSELMCPD CLDMLKNTMT</p> <p>TKECLHRFCS DCIVTALRSG NKECPTCRKK LVSKRSLRPD PNFDALISKI YPSREEYEAH</p> <p>QDRVLIIRLSR LHNQQALSSS IEEGLRMQAM HRAQRVRRPM PGSDQTATMS GGEGEPGE</p> <p>GDGEDVSSDS APDSAPGPAP KRPRGAGAGA SSVGTGGGAA GGACGGAGSE DSGDRGGTLG</p> <p>GGTLGPPSPG GAPSPPEPGG EIELVFRPHP LLVEKGEYCQ TRYVKTTGNA TVDHLSKYLA</p> <p>LRIALERRQQ QETTEPGGPG GGASDTGGPD GGGGERGVAG GGEGPEEPAL PSLEGVSEKQ</p> <p>YTIYIAPGGG AFTTLNGSLT LELVNEKFWK VSRPLELCYA PTKDPK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	RING1
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Alternative Name:	Ring1 (RING1 Products)
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Background:	<p>E3 ubiquitin-protein ligase RING1 (EC 2.3.2.27) (Polycomb complex protein RING1) (RING finger protein 1) (RING-type E3 ubiquitin transferase RING1) (Transcription repressor Ring1A),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 a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts 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 (By similarity). {ECO:0000250, ECO:0000269 PubMed:15525528, ECO:0000269 PubMed:16710298, ECO:0000269 PubMed:9312051}.</p>
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Target Details

Molecular Weight: 42.6 kDa

UniProt: [O35730](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months