

Product datasheet

Recombinant Human RASSF1 protein (denatured)  
ab137136

1 Image

Description	
Product name	Recombinant Human RASSF1 protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>Q9NS23-2</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGS MSGEPELIELRELA PAGRAGKGRTRLERANALRIARGTACNPTRQLVPGRGHR FQPAGPATHTW CDLCGDFIWGVVRKGLQCAHCKFTCHYRCRALVCLDCC GPRDLGWEPAVE RDTNVDEPVEWETPDLSQAEIEQKIKEYNAQINSNLFMSL NKDGSYTGFI KVQLKLVRPVSVPSKKPPSLQDARRGPGRGTSVRRRTS FYLPKDAVKHL HVLSTRAREVIEALLRKFLVDDPRKFALFERAERHGQV YLRKLLDDEQ PLRLRLLAGPSDKALSFVLKENDSGEVNWDASFMPELHN FLRILQREEEE HLRQILQKYSYCRQKIQEALHACPLG
Predicted molecular weight	43 kDa including tags
Amino acids	1 to 340
Tags	His-DDDDK tag N-Terminus
Description	Recombinant Human RASSF1 protein

Specifications

Our **Abpromise guarantee** covers the use of **ab137136** 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

**Form** Liquid

## Preparation and Storage

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**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: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

## General Info

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**Function** Potential tumor suppressor. Required for death receptor-dependent apoptosis. Mediates activation of STK4 during Fas-induced apoptosis. When associated with MOAP1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation. Isoform A interacts with CDC20, an activator of the anaphase-promoting complex, APC, resulting in the inhibition of APC activity and mitotic progression. Inhibits proliferation by negatively regulating cell cycle progression at the level of G1/S-phase transition by regulating accumulation of cyclin D1 protein. Isoform C has been shown not to perform these roles, no function has been identified for this isoform. Isoform A disrupts interactions among MDM2, DAXX and USP7, thus contributing to the efficient activation of TP53 by promoting MDM2 self-ubiquitination in cell-cycle checkpoint control in response to DNA damage.

**Tissue specificity** Isoform A and isoform C are ubiquitously expressed in all tissues tested, however isoform A is absent in many corresponding cancer cell lines. Isoform B is mainly expressed in hematopoietic cells.

**Sequence similarities** Contains 1 phorbol-ester/DAG-type zinc finger.

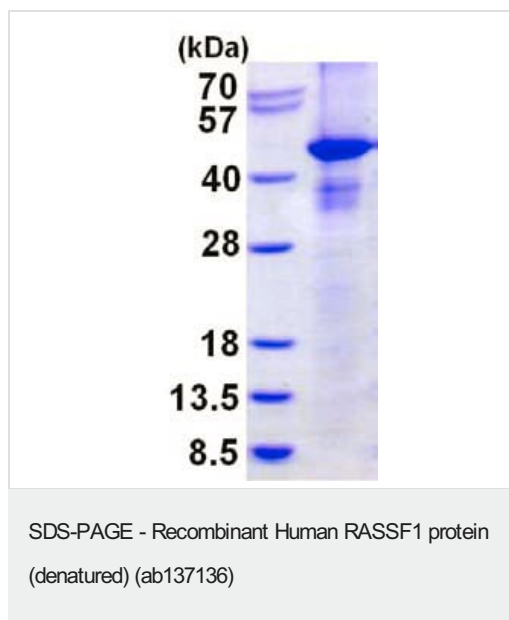
Contains 1 Ras-associating domain.

Contains 1 SARAH domain.

**Cellular localization** Nucleus. Predominantly nuclear and Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Cytoplasm > cytoskeleton > spindle. Cytoplasm > cytoskeleton > spindle pole. Nucleus. Localizes to cytoplasmic microtubules during interphase, to bipolar centrosomes associated with microtubules during prophase, to spindle fibers and spindle poles at metaphase and anaphase, to the midzone during early telophase, and to the midbody in late telophase in cells. Colocalizes with MDM2 in the nucleus.

## Images

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15% SDS-PAGE analysis of 3 µg ab137136.

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

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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
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