

Datasheet for ABIN7545173
WBSCR16 Protein (AA 1-464) (His tag)



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Overview

Quantity:	1 mg
Target:	WBSCR16
Protein Characteristics:	AA 1-464
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WBSCR16 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RCC1L Protein expressed in mammalian cells.
Sequence:	<p>MALVALVAGA RLGRRLSGPG LGRGHWTAAG RSRSRREAAE AEAEPVVQY VGERAARADR VFVWGFSG ALGVPSFVVP SSGPGPRAGA RPRRRIQPVP YRLELDQKIS SAACGYGFTL LSSKTADVTK VWGMGLNKDS QLGFHRSRKD KTRGYEYVLE PSPVSLPLDR PQETRVLQVS CGRAHSLVLT DREGVFSMGN NSYGQCGRKV VENIYSESH RVHRMQDFDG QVVQVACGQD HSLFLTDKGE VYSCGWGADG QTGLGHYNIT SSPTKLGGDL AGVNVIVQVAT YGDCCLAVSA DGGLFGWGN EYLQLASVTD STQVNVPRCL HFSGVGKVRQ AACGGTGA V LN GEGHVFVW GYGILGKGN LVESAVPEMI PPTLFGLTEF NPEIQVSRIR CGLSHFAALT NKGELFVWGK NIRGCLGIGR LEDQYFPWRV TMPGEPVDVA CGVDHMTLA KSFI 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

WBSCR16

Alternative Name:

RCC1L ([WBSCR16 Products](#))

Background:

RCC1-like G exchanging factor-like protein (RCC1-like) (Williams-Beuren syndrome chromosomal region 16 protein),FUNCTION: Guanine nucleotide exchange factor (GEF) for mitochondrial dynamin-related GTPase OPA1. Activates OPA1, by exchanging bound GDP for free GTP, and drives OPA1 and MFN1-dependent mitochondrial fusion (PubMed:28746876). Plays an essential role in mitochondrial ribosome biogenesis. As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation of core subunits of the oxidative phosphorylation system (PubMed:27667664). {ECO:0000269|PubMed:27667664, ECO:0000269|PubMed:28746876}.

Molecular Weight:

49.9 kDa

UniProt:

[Q96151](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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
