

Datasheet for ABIN7563779

**ARAP1 Protein (AA 1-1452) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ARAP1
Protein Characteristics:	AA 1-1452
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARAP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Arap1 Protein expressed in mammalien cells.
Sequence:	MAEGYDAALS VAEWLRALHL EQYTALFEQH GLVWATECQG LSDAGLLDMG MHLPGHRRRI LAGLHRAHAP PVPLPRPAPR PVPMKRHIFR SPPVPVTPPE PPPTAGEDEG LPAAPPIPPR RSCLPPACFT PTSTAAPDPV LPPLPAKRHL VEPSVPPVPP RTGPPYPQAS LLAKEELLPL SVSPRSQPEP AETPSTLLPA FPQGPLQPPS PPPCPPVIPP KPRLLPEFD DSDYDDVPEE GPGAPASVMT KEEPLPSRVP RAVRVASLLS EGEELSGDDS EDDDDHAYEG IPNGGWPTSG LNPLRLSLIP DLPLHPMDEL PGGPTPITPV IKAGWLDKNP PQGSYIYQKR WVRLDADYLR YFDSNKDAYS KRFVPVACIC RVAPIGDQKF EVITNNRTFA FRAESDVERN EWMQALQQAV VEHRARFRLS SASVLGVRGS EQPDRAGSLE LRGFKNKLYV AVTGDKVQLY KNLEEFHLGI GITFIDMNVG NVKEVDRRSF DLTPPYRIFS FSADSELEKE QWLEAMQGAI AEALSTSEVA ERIWAAAPNR FCADCGAAQP DWASINLCVV ICKRCAGEHR GLGAGVSKVR SLKMDRKVWT EALIQLFLHL GNGPGNHFWA ANVPPSEALE PSSSPGARRY HLEAKYREGK YRRYHPLFGN

QEELDKALCA AVTTTDLAET QALLGCGAGV SCFSGDPAAP TPLALAEQAG QTLQMEFLRN  
NQSTEVPRLD SVKPLEKHYS VTLPTVSHSG FLYKTASAGK PLQDRRAREE FSRRWCVLSD  
GVLSYENER AVTPNGEIRA SEIVCLAVSP LDTHGFEHTF EVYTEGERLY LFGLENAELA  
HEWVKCIAKA FVPPLAEDLL ARDFERLGR L PCKAGLSLQQ AQEGWFALTG SELRAVFPEG  
PWEEPLQLRK LQELSIQGDS ENQVLV LVER RRTLYIQGER RLDFMAWLG V IQKAAASLGD  
TLSEQQLGDS DIPVIVYRCV DYITQCGLTS EGIYRKCQT SKTQRLLDSL RQDARSVHLK  
EGEQHVDDVS SALKRFLRDL PDGLFTRAQR LAWLEASEIE DEEEKISRYR ELLVHLPPVN  
RATVKALISH LYCVQCFSDT NQMNTHNLAI VFGPTLFQTD GQDYKAGKV EDLINHYVVV  
FSVDEEELRK QREEVTAIVK MRVAGTASGT QHAGDFICTV YLEEKKVETE QHVKIPASMT  
AEELTLEILD RRNVSIREKD YWTCFEVNEK EEAERPLHFA EKVLPIVHGL GIDSHLVVKK  
YQSMEAMLLY LASRVGDTKH GMMKFREDRS LLGLGLPSGG FHDYFILNS SCLRLYKEVR  
SQRPWGAP E TSHRPEKEWP VKSLKVYLG V KKKLRPPTCW GFTVVHETEK HEKQQWYLCC  
DTQMELREWF ATFLSVQHDG LVWPSEPSRV SRAVPEVRMG SVSLIPLRGS ENEMRRSVA  
A FTADPLSLLR HV **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.**

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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.

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Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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Grade:

custom-made

## Target Details

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Target:	ARAP1
Alternative Name:	Arap1 ( <a href="#">ARAP1 Products</a> )
Background:	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1 (Centaurin-delta-2) (Cnt-d2),FUNCTION: Phosphatidylinositol 3,4,5-trisphosphate-dependent GTPase-activating protein that modulates actin cytoskeleton remodeling by regulating ARF and RHO family members. Is activated by phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3) binding. Can be activated by phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4,5)P2) binding, albeit with lower efficiency. Has a preference for ARF1 and ARF5 (By similarity). {ECO:0000250}.
Molecular Weight:	162.3 kDa
UniProt:	<a href="#">Q4LDD4</a>

## Application Details

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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

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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