

Datasheet for ABIN7555109

RASIP1 Protein (AA 1-963) (His tag)



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Overview

Quantity:	1 mg
Target:	RASIP1
Protein Characteristics:	AA 1-963
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RASIP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RASIP1 Protein expressed in mammalian cells.
Sequence:	<p> MLSSGERKEGG SPRFGKLHLP VGLWINSRPR QLAKLGRRWP SAASVKSSSS DTGSRSSSEPL PPPPPHVELR RVGAVKAAGG ASGSRAKRIS QLFRGSGTGT TGSSGAGGPG TPGGAQRWAS EKKLPELAAG VAPEPPLATR ATAPPGVLKI FGAGLASGAN YKSVLATARS TARELVAEAL ERYGLAGSPG GGPGESSCVD AFALCDALGR PAAAGVGSGE WRAEHLRVLG DSERPLLVE LWRARPGWAR RFELRGREEA RRLEQEAFGA ADSEGTGAPS WRPQKNRSRA ASGGAALASP GPGTGSGAPA GSGGKERSEN LSLRRSVSEL SLQGRRRRQQ ERRQQALSMA PGAADAQIGT ADPGDFDQLT QCLIQAPSNR PYFLLLQGYQ DAQDFVYVYM TREQHVFGRG GNSSGRGGSP APYVDTFLLNA PDILPRHCTV RAGPEHPAMV RPSRGAPVTH NGCLLLREAE LHPGDLLGLG EHFLFMYKDP RTGGSGPARP PWLPARPGAT PPGPGWAFSC RLCGRGLQER GEALAAAYLDG REPVLRFRPR EEEALLGEIV RAAAAGSGDL PPLGPATLLA LCVQHSAREL ELGHLPRLLG RLARLIKEAV WEKIKEIGDR QPENHPEGVP EVPLTPEAVS VELRPLMLWM ANTTELLSFV QEKVLEMEKE ADQEDPQLCN DLELCDEAMA LLDEVIMCTF QQSVYYLTKT LYSTLPALLD </p>

Product Details

SNPFTAGAEL PGPGAELGAM PPGLRPTLGV FQAALELTSQ CELHPDLVSQ TFGYLFFFSN
ASLLNSLMER GQGRPFYQWS RAVQIRTNLD LVLDWLQGAG LGDIATEFFR KLSMAVNLLC
VPRTSLLKAS WSSLRTDHPT LTPAQLHHLL SHYQLGPGRG PPAAWDPPPA EREAVDTGDI
FESFSSHPPL ILPLGSSRLR LTGPVTDDAL HRELRLRLRL LWDLEQQELP ANYRHGPPVA TSP

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different 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: RASIP1

Alternative Name: RASIP1 ([RASIP1 Products](#))

Background: Ras-interacting protein 1 (Rain),FUNCTION: Required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. Acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis. Regulates the

Target Details

activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and dampening ROCK and MYH9 activities in endothelial cells (By similarity). May act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS-mediated transformation. Negative regulator of amino acid starvation-induced autophagy. {ECO:0000250, ECO:0000269|PubMed:15031288, ECO:0000269|PubMed:22354037}.

Molecular Weight: 103.5 kDa

UniProt: [Q5U651](#)

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