

Datasheet for ABIN7563692

RASIP1 Protein (AA 1-961) (His tag)



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Overview

Quantity:	1 mg
Target:	RASIP1
Protein Characteristics:	AA 1-961
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RASIP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rasip1 Protein expressed in mammalian cells.
Sequence:	<p> MLSGERKEGG SPRFGKLHLP VGLWINSRPR QLAKLGRRWP SAASVKSSSS DTGSRSSSEPL PPPPPPPHVE LRRVGAVKAA GGASGSRAGR ISQLFRGSGA GGAGGPGTPG GAQRWASEKK LPELAAGVAP EPPLPTRAHV PPGVLKIFAS GLASGANYKS VLATERSTAR ELVAEALERY GLTGGRGAGD SGCVDAYALC DALGRPAVG VGGGEWRAEHL RVLADAERPL LVQDLWRARP GWARRFELRG REEARLEQE AFGAADADGT NPSWRTQKN RSRAASGGAA LASPGPGSGS GTPTGSGGKE RSENLSLRRS VSESLQGRR RRQERRQQA LMAPGAADA QMVPTDPGDF DQLTQCLIQA PSNRPYFLLL QGYQDAQDFV VYVMTREQHV FGRGGPSSSR GGSPAPYVDT FLNAPDILPR HCTVRAGPEP PAMVRPSRGA PVTHNGCLLL REALHPGDL LGLGEHFLFM YKDPRSGGSG PARPSWLPAR PGAAPPGPGW AFSCRLCGRG LQERGEALAA YLDGREPVLR FRPREEEALL GEIVRAAASG AGDLPPLGPA TLLALCVQHS ARELELGHLP RLLGRLRLI KEAVWEKIKE IGDRQPENHP EGVPEVPLTP EAVSVELRPL ILWMANTTEL LSFVQEKVLE </p>

MEKEADQEG L SSDPQLCNDL ELCDEALALL DEVIMCTFQQ SVYYLTKTLY STLPALLDSN
PFTAGAELPG PGAELEAMPP GLRPTLGVFQ AAELTSQCE LHPDLVSQTF GYLFFFSNAS
LLNSLMERGQ GRPFYQWSRA VQIRTNLDLV LDWLQGAGLG DIATEFFRKL SIAVNLLCVP
RTSLLKASWS SLRTDYPTLT PAQLHHLLSH YQLGPGRGPP PAWDPPPAER DAVDTGDIFE
SFSSHPPLIL PLGSSRLRLT GPVTDDALHR ELRRRLRLLW DLEQQELPAN HRHGPPVAST P

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.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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 activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and

Target Details

dampening ROCK and MYH9 activities in endothelial cells. 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 (By similarity). {ECO:0000250, ECO:0000269|PubMed:19272373, ECO:0000269|PubMed:21396893}.

Molecular Weight: 103.6 kDa

UniProt: [Q3U0S6](#)

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