Datasheet for ABIN7563772

RLTPR Protein (AA 1-1296) (His tag)

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Overview

Quantity:	1 mg
Target:	RLTPR
Protein Characteristics:	AA 1-1296
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RLTPR protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Carmil2 Protein expressed in mammalien cells.
Sequence:	MAQTPDDISC ELRGEITRFL WPKEAELLLK TWLPQEGAEQ SHILALLRWR AYLLHTCLPL RVDCTFSYLE VQAMALQETP PRVTFELESL PELVLEFPCV AALEQLAQHV AAAIKKVFPR STLGKLFRKP TPSSLLARLE RSHPLESTIP SSPCGGFLET YEALCDYNGF PFREEIQWDV DTIYHRQGCR HFCLGDFSHF GSRDLALSVA ALSYNLWFRR LSCEDMKLSL EVSEQILHMT SQSSYLEELV LEACGLRGDF VRRLAQALAG HFNSGLRELS LSGNLLDDRG MRALGRALAT NATFDSTLTH LDLSGNPGAL GPSQDSGGLY TFLSRPNVLA YLNLAGTDAT LGTLFTALAG GCCSSLTHLE ASRNIFSRMK SQAAPAALQR FLGGTRMLRH LGLAGCKLPP EALRALLEGL ALNTQIHDLH LDLSACELRS VGAQVIQDLV CDAGALSSLD LSDNGFGSDM VTLVLAIGRS RSLKHVALGR NFNVRCKETL DDVLHRIAQL MQDDDCPLQS LSVAESRLKQ GASILIRALG TNPKLTALDI SGNAIGDAGA KMLAKALRVN TRLRSVIWDR NNTSALGLLD VAQALEQNHS LKSMPLPLND VTQAHRSRPE LTTRAVHQIQ ACLWRNNQVD STSDLKPCLQ PLGLISDHSE

Product Details

	QEVNELCQSV QEHMELLGCG AGPQGEVAVH QAEDAIQNAN FSLSILPILY EAGRSPSHHW QLQQKLESLL GQVGEICRQD IQDFTQTTLD TTRSLCPQML QTPGWRKQLE GVLVGSGGLP ELLPEHLLQD AFSRLRDMRL SITGTLAESI VAQALAGLHA ARDRLVERLT QQAPVTMAPA VPPLGGNELS PLETGGLEEL FFPTEKEEER EKVLLRKRNG TPSWQLRGKM QSRRLGRLHA VAEKHWAAGP RDTPASAVYQ RVDVCVGWVP PALLQEGNGL TARVDEGVEE FFSKRLIQQD HFWAPEEDPA TEGGATPVPR TLRKKLGTLF AFKKPRSTRG PRPDLETSPG AAARARKSTL GDLLRPPARP GRGEEPGGAE GGTSSPDPAR RNRPRYTRES KAYSMILLPA EEEAAVGTRP DKRRPLERGD TELAPSFEQR VQVMLQRIGV SRASGGAESK RKQSKDGEIK KAGSDGDIMD SSTETPPISI KSRTHSVSAD PSCRPGPGGQ GPESATWKTL GQQLNAELRG RGWGQQDGPG PPSPCPSPSP RRTSPAPDIL SLPEDPCLGP RNEERPLRLQ RSPVLKRRPK LEAPPSPSLG SGLGSKPLPP YPTEPSSPER SPPSPATDQR GGGPNP **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:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	RLTPR

Target Details

Alternative Name:	Carmil2 (RLTPR Products)
Background:	Capping protein, Arp2/3 and myosin-I linker protein 2 (Capping protein regulator and myosin 1 linker 2) (F-actin-uncapping protein RLTPR) (Leucine-rich repeat-containing protein 16C) (RGD, leucine-rich repeat, tropomodulin and proline-rich-containing protein),FUNCTION: Cell membrane-cytoskeleton-associated protein that plays a role in the regulation of actin polymerization at the barbed end of actin filaments. Prevents F-actin heterodimeric capping protein (CP) activity at the leading edges of migrating cells, and hence generates uncapped barbed ends and enhances actin polymerization. Plays a role in cell protrusion formations, involved in cell polarity, lamellipodial assembly, membrane ruffling and macropinosome formations. Involved as well in cell migration and invadopodia formation during wound healing (By similarity). Required for CD28-mediated stimulation of NF-kappa-B signaling, involved in naive T cells activation, maturation into T memory cells, and differentiation into T helper cells (PubMed:27647348). Required for CD28-mediated differentiation of T regulatory cells (By similarity). {ECO:0000250|UniProtKB:Q6F5E8, ECO:0000269|PubMed:27647348}.
Molecular Weight:	141.4 kDa
UniProt:	Q3V3V9

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