

Datasheet for ABIN7552966

RLTPR Protein (AA 1-1435) (His tag)



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Overview

Quantity:	1 mg
Target:	RLTPR
Protein Characteristics:	AA 1-1435
Origin:	Human
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 mammalian cells.
Sequence:	MAQTPDGISC ELRGEITRFL WPKEVELLLK TWLPGEAVQ NHVLALLRWR AYLLHTTCLP LRVDCTFSYL EVQAMALQET PPQVTFELES LRELVEFPV VAALEQLAQH VAAAIKKVFP RSTLGKLFRR PTPASMLARL ERSSPSESTD PCSPCGGFLE TYEALCDYNG FPFREEIQWD VDTIYHRQGC RHFSLGDFSH LGSRLDLSV AALSYNLWFR CLSCVDMKLS LEVSEQILHM MSQSSHLEEL VLETCSLRGD FVRRLAQALA GHSSSGLREL SLAGNLLDDR GMTALSRHLE RCPGALRRLS LAQTGLTPRG MRALGRALAT NAAFDSTLTH LDLSGNGPAL GASEDSGGLY SFLSRPNVLS FLNLAGTDTA LDTVRCGSVG GWMTGRADWR AGRGGLGPPA GVANSPPQL FAAVSRGCCT SLTHLDASRN VFSRTKSRAA PAALQLFLSR ARTLRHLGLA GCKLPPDALR ALLDGLALNT HLRDLHLDLS ACELSRGAQ VIQDLVCDAG AVSSLDLADN GFGSDMVTLV LAIGRSRSLR HVALGRNPNV RCKETLDDVL HRIVQLMQDD DCPLQSLVA ESRLKLGASV LLRALATNPN LTALDISGNA MGDAGAKLLA KALRVNSRLR SVVWDRNHTS ALGLLDVAQA

LEQNHSLKAM PLPLNDVAQA QRSRPELTAR AVHQIQACLL RNNRADPASS DHTTRLQPLG
LVSDPSEQEV NELCQSVQEH VELLGCGAGP QGEAAVRQAE DAIQANANFSL SILPILYEAG
SSPSHHWQLG QKLEGLLRQV GEVCRQDIQD FTQATLDTAR SLCPQMLQGS SWREQLEGVL
AGSRGLPELL PEQLLQDAFT RLRDMRLSIT GTLAESIVAQ ALAGLSAARD QLVESLAQQA
TVTMPPALPA PDGGEPSLLE PGELEGLFFP EEKEEEKEKD DSPPQKWPEL SHGLHLVPFI
HSAEEAEPE PELAAPGEDA EPQAGPSARG SPSPAAPGPP AGPLPRMDLP LAGQPLRHPT
RARPRRRQH HHRPPPGGPQ VPPALPQEGN GLSARVDEGV EEFFSKRLIQ QDRLWAPEED
PATEGGATPV PRTLKKGKLT LFAFKKPRST RGPRTDLETS PGAAPRTRKT TFGDLLRPPT
RPSRGEELGG AEGDTSSPDP AGRSRPRYTR DSKAYSMILL PAEEETLGA RPDKRRPLER
GETELAPSFE QRVQVMLQRI GVSRRSGGAE GKRKQSKDGE IKKAGSDGDI MDSSTEAPPI
SIKSRTHSVS ADPSCRPGPG SQGPESATWK TLGQQLNAEL RSRGWGQQDG PGPPSPGQSP
SPCRTSPSPD SLGLPEDPCL GPRNEDGQLR PRPLSAGRRA VSVHEDQLQA PAERPLRLQR
SPVLKRRPKL EAPPSPSLGS GLGTEPLPPQ PTEPSSPERS PPSPATDQRG GGPNP **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 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, Western Blot
Grade:	custom-made

Target Details

Target:	RLTPR
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 (PubMed:26466680). Plays a role in cell protrusion formations, involved in cell polarity, lamellipodial assembly, membrane ruffling and macropinosome formations (PubMed:19846667, PubMed:26578515, PubMed:26466680). Involved as well in cell migration and invadopodia formation during wound healing (PubMed:19846667, PubMed:26578515, PubMed:26466680). 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 and T regulatory cells (PubMed:27647349, PubMed:27647348, PubMed:28112205). {ECO:0000269 PubMed:19846667, ECO:0000269 PubMed:26466680, ECO:0000269 PubMed:26578515, ECO:0000269 PubMed:27647348, ECO:0000269 PubMed:27647349, ECO:0000269 PubMed:28112205}.
Molecular Weight:	154.7 kDa
UniProt:	Q6F5E8

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.

Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months