

Datasheet for ABIN7564343

MICAL-Like 1 Protein (MICALL1) (AA 1-870) (His tag)



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Overview

Quantity:	1 mg
Target:	MICAL-Like 1 (MICALL1)
Protein Characteristics:	AA 1-870
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICAL-Like 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Micall1 Protein expressed in mammalian cells.
Sequence:	<p>MAGPRGALLA WCRRQCEGYR GVDIRDLSSS FRDGLAFCAI LHRHRPDLLD FQSLSKENVF</p> <p>ENNRLAFEVA EKELGIPALL DPNDMVMSV PDCLSIMTYV SQYYNHFTSS GQAAASPPKP</p> <p>GKDPAPPSPT STSPAVQPG EEAQGDDLSPD SLSEQGKQPP PSSACAACGQ RVHLVQRYLA</p> <p>EGRLYHRHCF RCRQCSSTLV PGSYSSGPEE GTFVCAERCT RLPGSRSGT RLLSQQRQPP</p> <p>AAAEAKDAED NDPSLSVA AVAEADRLQASS EVQFHTPTKP PLPSKPQELA SPPGGRPTPA</p> <p>PRKASESSAL TPPTPRPRSS LQQDGTVEQS VSSGLVNGRL QEPPVPKPRG TPKLSEMAA</p> <p>PRKDPPWITL VQTEPKKKPA PQPPSSGGPG LSQAYRQVED GGLEEQTKS SGTEPEPKPY</p> <p>NPFEFFFFFFE GEPAPPVPSP SLAPPVSPS PAPPVPSPAP APSEATPKSL HPWYGITPTS</p> <p>SPKTKKRPAP RAPSASPLAI HASRLSHSEP PSATPSPALS VESLSSESSS HTANAEPLP</p> <p>PAVPKSSSDP AVHVPGTPTG SGNSVTPSAN SSLSSSGELG QPSGEQMLQA RTKGSAGTHS</p> <p>TKPFSGATPT PFLAGDRNP APPVGSASPQ LQIKSSCKEN PFNRKPSPSA SPTVRKATKG</p>

AKPVRPPAPG HGFPLIKRKV QADQYIPEED IYGEMDNIER QLDALEHSGV LLEEKLRGGA
NEGSEDDMLV DWFKLIHEKH LLVRRESELI YVFKQQNLEQ RQADVEFELR CLLNKPEKDW
TDEDRAREKV LMQELMTLIE QRDAIVNCLD EDRQREEEED KMLETMIKKK DFQREAESDS
KKKGKFKTIK VLKFLGNKRE AKSKAPGDKS **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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MICAL-Like 1 (MICALL1)
Alternative Name:	Micall1 (MICALL1 Products)
Background:	<p>MICAL-like protein 1 (Molecule interacting with Rab13) (MIRab13),FUNCTION: Probable lipid-binding protein with higher affinity for phosphatidic acid, a lipid enriched in recycling endosome membranes. On endosome membranes, may act as a downstream effector of Rab proteins recruiting cytosolic proteins to regulate membrane tubulation. May be involved in a late step of receptor-mediated endocytosis regulating for instance endocytosed-EGF receptor trafficking. Alternatively, may regulate slow endocytic recycling of endocytosed proteins back to the</p>

Target Details

	plasma membrane. May indirectly play a role in neurite outgrowth. {ECO:0000269 PubMed:23572513}.
Molecular Weight:	94.1 kDa
UniProt:	Q8BGT6

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