

Datasheet for ABIN7554548

MICALL2 Protein (AA 1-904) (His tag)



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Overview

Quantity:	1 mg
Target:	MICALL2
Protein Characteristics:	AA 1-904
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICALL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MICALL2 Protein expressed in mammalian cells.
Sequence:	<p>MAAIRALQQW CRQQCEGYRD VNICNMTTSF RDGLAFCAIL HRHRPDLINF SALKKENIYE</p> <p>NNKLAFRVAE EHLGIPALLD AEDMVALKVP DRLSILTYVS QYNYFHGRS PIGGMAGVKR</p> <p>ASEDSEEEPS GKKAPVQAAK LPSPAPARKP PLSPAQTNPV VQRRNEGAGG PPPKTDQALA</p> <p>GSLVSSTCGV CGKHVHLVQR HLAGDGRLYHR SCFRCKQCSC TLHSGAYKAT GEPGTFVCTS</p> <p>HLPAASASP KLTGLVPRQP GAMGVDSRTS CSPQKAQEAN KARPSAWEPA AGNSPARASV</p> <p>PAAPNPAATS ATSVHVRSPA RPSESRLAPT PTEGKVRPRV TNSSPMGWSS AAPCTAAAAS</p> <p>HPAVPPSAPD PRPATPQGGG APRVAAPQTT LSSSSTAAT VDPPAWTPSA SRTQQARNKF</p> <p>FQTSVPPGT SLSGRGPTPS LVLSKDSSKE QARNFLKQAL SALEEAGAPA PGRPSPATAA</p> <p>VPSSQPKTEA PQASPLAKPL QSSSPRVLGL PSRMEPPAPL STSSTSQASA LPPAGRRNLA</p> <p>ESSGVGRVGA GSRPKPEAPM AKGKSTTLTQ DMSTSLQEGQ EDGPAGWRAN LKPVDRRSPA</p> <p>ERTLKPKEPR ALAEPRAGEA PRKVSGSFAG SVHITLTPVR PDRTPRPASP GPSLPARSPS</p> <p>PPRRRLAVP ASLDVCDNWL RPEPPGQEAR VQSWKEEEKK PHLQGKPGRP LSPANVPALP</p>

Product Details

GETVTSPVRL HPDYLSPEEI QRQLQDIERR LDALELRGVE LEKRLRAAEG DDAEDSLMVD
WFWLIHEKQL LLRQESELMY KSKAQRLEE QLDIEGELRR LMAKPEALKS LQERRREQEL
LEQYVSTVND RSDIVDSLDE DRLREQEEDQ MLRDMIEKLG LQRKKSFKRL SKIWSPKSKS SPSQ

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: MICALL2

Alternative Name: MICALL2 ([MICALL2 Products](#))

Background: MICAL-like protein 2 (Junctional Rab13-binding protein) (Molecule interacting with CasL-like 2) (MICAL-L2), FUNCTION: Effector of small Rab GTPases which is involved in junctional complexes assembly through the regulation of cell adhesion molecules transport to the plasma membrane and actin cytoskeleton reorganization. Regulates the endocytic recycling of occludins, claudins and E-cadherin to the plasma membrane and may thereby regulate the

Target Details

establishment of tight junctions and adherens junctions. In parallel, may regulate actin cytoskeleton reorganization directly through interaction with F-actin or indirectly through actinins and filamins. Most probably involved in the processes of epithelial cell differentiation, cell spreading and neurite outgrowth (By similarity). {ECO:0000250}.

Molecular Weight: 97.5 kDa

UniProt: [Q8IY33](#)

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