

Datasheet for ABIN7563674

MICALL2 Protein (AA 1-1009) (His tag)



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Overview

Quantity:	1 mg
Target:	MICALL2
Protein Characteristics:	AA 1-1009
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MICALL2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Micall2 Protein expressed in mammalian cells.
Sequence:	<p>MAAIKALQEW CRQQCEGYRD VSITNMTTSF RDGLAFCAIL HRHRPDILNF SALRKENIYE</p> <p>NNKLAFQVAE EQLGIPALLD AEDMVALKVP DRLSILTYVS QYYNYFHGRS PIGGMAGIKR</p> <p>PSSDSTEELS GKKGLSQPAK LPSPAQTQRS PLSPARTNPV VQRNEGGSQR PSPKAAPGTA</p> <p>GSSVSSICGV CGKHVHLVQR HLADGRLYHR SCFRCKQCSS TLHSGAYRAT GEPGVFVCTH</p> <p>HSSEVTSVSP KSSNLASRKP GGV TADTRPF GVS WTVQEAN GEGTPLRVRT AAWEHAGGNT</p> <p>TAKGFVQTEL KPPSTSQVHV GSSAGPKLPT ITVTTSVTS KALTHVTNSS PIGWSSPAQS</p> <p>SPANFN SRPV VSPSARNTHL PGSQGQTASK GVK TQLNLNS ESSNTAVTPA WTSSASKTQQ</p> <p>AREKFFQTPP SAPAPASAPA PAPT SKVPTV VTVPTSKVPN VVTAPT SKVP TVVTVP TSKV</p> <p>PTVVSAPT SK VPTVVSAPTS KVPTVVNSTN SRVTTVVNAP TSKVPTV VSA TNGRVPTVVT</p> <p>AHTGRVPAVM NTSASKVSPV VDAPAQESSR EQALS VLRKA LPALTGSGTQ APNRSFPATS</p> <p>SVLVTL PKNE VPQKVPSDKL SALT TQTPNF TIKLEPSAPV NVGNTAVFLQ AGKKSPSISP</p>

RVGKTSVGSR PQAEVAGVKG PGPISQEGQE EGPEGWRARL KPVDKKTPAG RSLEQKEPVL
AEPRIGDTSR KASSSSDSSV HITLTSIQHK RKPCPAGSGP SPAALSPSPS HRKKLAVPPS
LDVSADWLQP EPKKQEDGTR SCKEEKSPTR WSRERSAVLD SGLAPPGEAV TSPVRLHPDY
IPQEELQRQL QDIESQLDAL ELRGVELEKR LRAAEGDASE DSLMVDWFRL IHEKQLLLRL
EELMYKSKD QRLEEQQLDL QGELRRLMDK PEGLKSPQDR QREQELLSQY VNTVNDRSDI
VDFLDEDRLR EQEEDQMLN MIQNLGLQRK KSKSFLSKIW SSKSKSGQA **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:	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

Target Details

occludins, claudins and E-cadherin to the plasma membrane and may thereby regulate the 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. {ECO:0000269|PubMed:16525024, ECO:0000269|PubMed:18094055, ECO:0000269|PubMed:20008558, ECO:0000269|PubMed:23100251, ECO:0000269|PubMed:23890175}.

Molecular Weight: 108.3 kDa

UniProt: [Q3TN34](#)

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