

Datasheet for ABIN7564759

Angiotensin Protein (AMOT) (AA 1-1126) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Angiotensin (AMOT)
Protein Characteristics:	AA 1-1126
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiotensin protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant Amot Protein expressed in mammalian cells.
Sequence:	<p>MRSSDDQPSG GTTVLQRLQ EQLRYGNPSE NRSLLAIHQQ ATGNSSPFST GSGNQGPQND</p> <p>VLSSQDHHQQLVAHPARQE PQGQEIQSEN GVMEKQLSPR MQNNEELPTY EEAQVQSQYF</p> <p>RGQQHASVGA AFYVTGVNTQ KMRTEGRPSV QRLTPGKMHQ DEGLRDLKQG HVRSLSERLM</p> <p>QMSLATSGVK AHPPVTSAPL SPPQPNDLYK NATSSSEFYK AQGPPPSQHS LKGMEHRGPP</p> <p>PEYPFKGVPS QSVVCKSQEP GHFYSEHRLN QPGRTEGQLM RYQHPPEYGA ARATQDISSL</p> <p>SLSARNSQPH SPTSSLTAGA SSLPLLQSP STRLPPGQHL VSNQGDHSAH LSRHQQHLLS</p> <p>SQSHQGDHYR HAQASLTSAQ QQPGEAYSAM PRAQQSASYQ PMPADPFAMV SRAQQMVEIL</p> <p>SDENRNLRQE LDGCYEKVAR LQKVETEIQR VSEAYENLVK SSSKREALEK AMRNKLEGEI</p> <p>RRMHDFNRDL RDRLETANKQ LAEKEYEGSE DTRKTISQLF AKHKENQREK EKLEAELATA</p> <p>RSTNEDQRRH IEIRDQALSN AQAKVVKLEE ELKKKQVYVD KVEKMQQALV QLQAACEKRE</p> <p>QLEHRLRTRL ERELESLRIQ QRQNSQPTN ASEYNAAALM ELLREKEERI LALEADMTKW</p>

EQKYLEENVM RHFALDAAAT VAAQRDTTVI SHSPNTSYDT ALEARIQKEE EEILMANKRC
LDMEGRIKTL HAQIEKDAM IKVLQQRSRK EPSKTEQLSS MRPAKSLMSI SNAGSGLLAH
SSTLTGAPIM EEKRDDKSWK GSLGVLLGGD YRVEPVPSTP SPVPPSTPLL SAHSKTGSRD
CSTQTERGPE STKTAAVTPI SAPMAGPVAA AAPAAAINAT AATNTATAAT NTTIMVAAAP
VAVAAVAAPA AAAATPSPAN AAALAAAAAP ATSVSAATSV SAANSISPAA PVAPAAVPP
AAPVSPAAV QIPAAASLTP ATVSPTAATA TAAVAAATTA AITAAAAAAT TAIQVAPATS
APVPSPASIP APATAQASAP TPTQASTPAP TEPPSPVPTP TPALVQTEGP ANPGASSGPR
RLSTPNLMCN PDKPDAPAFH SSTLERKTPI QILGQEPDAE MVEYLI **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>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Angiotensin (AMOT)
Alternative Name:	Amot (AMOT Products)
Background:	Angiotensin,FUNCTION: Plays a central role in tight junction maintenance via the complex formed with ARHGAP17, which acts by regulating the uptake of polarity proteins at tight

Target Details

	junctions. Appears to regulate endothelial cell migration and tube formation. May also play a role in the assembly of endothelial cell-cell junctions (By similarity). {ECO:0000250}.
Molecular Weight:	120.9 kDa
UniProt:	Q8VHG2
Pathways:	Cell-Cell Junction Organization, Regulation of Cell Size

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