

Datasheet for ABIN7552210

Angiotensin Protein (AMOT) (AA 1-1084) (His tag)



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Overview

Quantity:	1 mg
Target:	Angiotensin (AMOT)
Protein Characteristics:	AA 1-1084
Origin:	Human
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>MRNSEEQPSG GTTVLQRLQ EQLRYGNPSE NRSLLAIHQQ ATGNGPPFPS GSGNPGPQSD</p> <p>VLSPQDHHQQ LVAHAARQEP QGQEIQSENL IMEKQLSPRM QNNEELPTYE EAKVQSQYFR</p> <p>GQQHASVGAA FYVTGVTNQG MRTEGRPSVQ RLNPGKMHQD EGLRDLKQGH VRSLSERLMQ</p> <p>MSLATSGVKA HPPVTSAPLS PPQPNDLYKN PTSSEFYKA QGPLPNQHSL KGMEHRGPPP</p> <p>EYPFKGMPPQ SVVCKPQEPG HFYSEHRLNQ PGRTEGQLMR YQHPPEYGAA RPAQDISLPL</p> <p>SARNSQPHSP TSSLTSGGSL PLLQSPSTR LSPARHPLVP NQGDHSAHLP RPQQHFLPNQ</p> <p>AHQGDHYRLS QPGLSQQQQQ QQQQHSHHHHH HQQQQQQQPQ QQPGEAYSAM PRAQPSSASY</p> <p>QPVPADPFAI VSRAQMVEI LSDENRNLRQ ELEGCEYKVA RLQKVETIQ RVSEAYENLV</p> <p>KSSSKREALE KAMRNKLEGE IRRMHDFNRD LRERLETANK QLAEKEYEGS EDTRKTISQL</p> <p>FAKNKESQRE KEKLEAELAT ARSTNEDQRR HIEIRDQALS NAQAKVVKLE EELKKKQVYV</p> <p>DKVEKMQQAL VQLQAACEKR EQLEHRLRTR LERELESLRI QQRQGNCQPT NVSEYNAAAL</p>

MELLREKEER ILALEADMTK WEQKYLEENV MRHFALDAAA TVAAQRDTTV ISHSPNTSYD
TALEARIQKE EEEILMANKR CLDMEGRIKT LHAQIEKDA MIKVLQQRSR KEPSKTEQLS
CMRPAKSLMS ISNAGSGLLS HSSTLTGSPI MEEKRDDKSW KGSLGILLGG DYRAEYVPST
PSPVPPSTPL LSAHSKTGSR DCSTQTERGT ESNKTA AVAP ISVPAPVAAA ATAAAITATA
ATITTTMVAA APVAVAAAAA PAAAAAPSPA TAAATAAAVS PAAAGQIPAA ASVASAAVA
PSAAAAAVQ VAPAAPAPVP APALVPVPAP AAAQASAPAQ TQAPTSAPAV APTPAPTPTP
AVAQAEVPAS PATGPGPHRL SIPSLTCNPD KTDGPFVFSN TLERKTPIQI LGQEPDAEMV EYLI

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:

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 junctions. Appears to regulate endothelial cell migration and tube formation. May also play a

Target Details

	role in the assembly of endothelial cell-cell junctions. {ECO:0000269 PubMed:11257124, ECO:0000269 PubMed:16678097}.
Molecular Weight:	118.1 kDa
UniProt:	Q4VCS5
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