

Datasheet for ABIN7552087

AMOTL1 Protein (AA 1-956) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	AMOTL1
Protein Characteristics:	AA 1-956
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AMOTL1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant AMOTL1 Protein expressed in mammalian cells.
Sequence:	<p>MWRAKLRRGT CEPAVKGSPS ACYSPSSPVQ VLEDSTYFSP DFQLYSGRHE TSALTVEATS</p> <p>SIREKVVEDP LCNFHSPNFL RISEVEMRGS EDAAAGTVLQ RLIQEQLRYG TPTENMNLLA</p> <p>IQHQATGSAG PAHPTNNFSS TENLTQEDPQ MUYQSARQEP QQEHQVDNT VMEKQVRSTQ</p> <p>PQQNNEELPT YEEAKAQSQF FRGQQQQQQQ QGAVGHGYM AGGTSQKSRT EGRPTVNRAN</p> <p>SGQAHKDEAL KELKQGHVRS LSERIMQLSL ERNGAKQHLP GSGNGKGFKV GGGPSPAQPA</p> <p>GKVLDPGPP PEYPFKTKQM MSPVSKTQEH GLFYGDQHPG MLHEMVKPYP APQPVRTDVA</p> <p>VLRYQPPEY GVTSRPCQLP FPSTMQQHSP MSSQTSSASG PLHSVSLPLP LPMALGAPQP</p> <p>PPAASPSQQL GPDAFAIVER AQQMVEILTE ENRVLHQELQ GYYDNADKLH KFEKELQRIS</p> <p>EAYESLVKST TKRESLDKAM RNKLEGEIRR LHDFNRDLRD RLETANRQLS SREYEGHEDK</p> <p>AAEGHYASQN KEFLKEKEKL EMELAAVRTA SEDHRRHIEI LDQALSNAQA RVIKLEELR</p> <p>EKQAYVEKVE KLQQALTQLQ SACEKREQME RRLRTWLERE LDALRTQQKH GNGQPANMPE</p> <p>YNAPALLELV REKEERILAL EADMTKWEQK YLEESTIRHF AMNAAATAAA ERDTTIINHS</p>

RNGSYGESSL EAHIWQEEEE VVQANRRRCQD MEYTIKLNHA KIEKDAMIK VLQQRSRKDA
GKTDSSSLRP ARSVPSIAAA TGTHSRQTSI TSSQLAEEKK EEKTWKGSI LLLGKEHHEH
ASAPLLPPPP TSALSSIAST TAASSAHAKT GSKDSSTQTD KSAELFWPSM ASLPSRGRLS
TTPAHSPVLK HPAAKGTAEK LENSPPGHGKS PDHRGRVSSL LHKPEFPDGE MMEVLI **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:	<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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	AMOTL1
Alternative Name:	AMOTL1 (AMOTL1 Products)
Background:	Angiomotin-like protein 1,FUNCTION: Inhibits the Wnt/beta-catenin signaling pathway, probably by recruiting CTNNB1 to recycling endosomes and hence preventing its translocation to the nucleus. {ECO:0000269 PubMed:22362771}.

Target Details

Molecular Weight:	106.6 kDa
UniProt:	Q8IY63

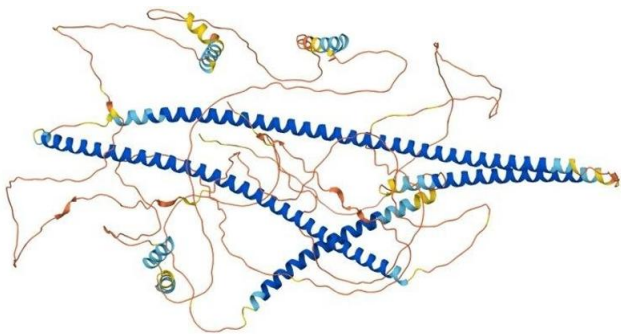
Application Details

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

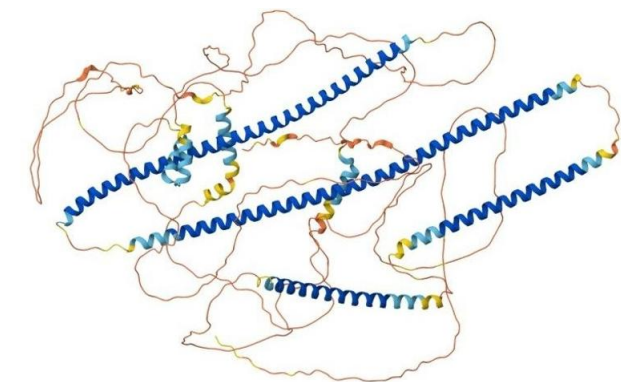
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



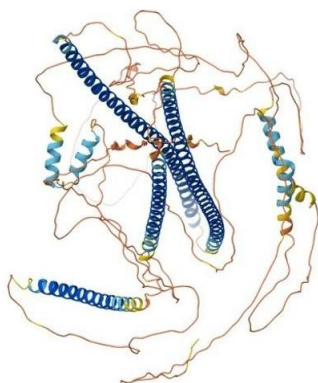
Protein Structure

Image 1. AlphaFold protein structure prediction of Human Recombinant AMOTL1 Protein, UniprotID Q8IY63



Protein Structure

Image 2. AlphaFold protein structure prediction of Human Recombinant AMOTL1 Protein, UniprotID Q8IY63



Protein Structure

Image 3. AlphaFold protein structure prediction of Human Recombinant AMOTL1 Protein, UniprotID Q8IY63

