

Datasheet for ABIN7552209

**AMOTL2 Protein (AA 1-779) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	AMOTL2
Protein Characteristics:	AA 1-779
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AMOTL2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat AMOTL2 Protein expressed in mammalien cells.
Sequence:	MRTLEDSSGT VLHRLIQEQL RYGNLTETRT LLAIQQQALR GGAGTGGTGS PQASLEILAP EDSQVLQQAT RQEPQGQEHQ GGENHLAENT LYRLCPQPSK GEELPTYEEA KAHSQYAAAQ QAGTRPHAGD RDPRGAPGGS RRQDEALREL RHGHVRSLSLSE RLLQLSLERN GARAPSHMSS SHSFPQLARN QQGPPLRGPP AEGPESRGPP PQYPHVLAH ETTTAVTDPR YRARGSPHFQ HAEVRILQAQ VPPVFLQQQ QYQYLQQSQE HPPPPHPAAL GHGPLSSLSP PAVEGPVSAQ ASSATSGSAH LAQMEAVLRE NARLQRDNER LQRELESSAE KAGRIEKLES EIQLSEAHE SLTRASSKRE ALEKTMRNKM DSEMRRQLQDF NRDLRERLES ANRRLASKTQ EAQAGSQDMV AKLLAQSYEQ QQEKEKLERE MALLRGAIED QRRRAELLEQ ALGNAQGRAA RAEELRKKQ AYVEKVERLQ QALGQLQAAC EKREQLRL RTRLEQLKA LRAQQRQAGA PGGSSGSGGS PELSALRLSE QLREKEEQIL ALEADMTKWE QKYLEERAMR QFAMDAAATA AAQRDITLIR HSPQPSPSSS FNEGLLTGGH RHQEMESRLK VLHAQILEKD AVIKVLQQRS RRDPGKAIQG

## Product Details

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SLRPAKSVPS VFAAAAAGTQ GWQGLSSSER QTADAPARLT TDRAPTEEPV VTAPPAAHAK  
HGSRDGSTQT EGPPDSTSTC LPPEPDSLLG CSSSQRAASL DSVATSRVQD LSDMVEILI

**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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

AMOTL2

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### Alternative Name:

AMOTL2 ([AMOTL2 Products](#))

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### Background:

Angiomotin-like protein 2 (Leman coiled-coil protein) (LCCP),FUNCTION: Regulates the translocation of phosphorylated SRC to peripheral cell-matrix adhesion sites. Required for proper architecture of actin filaments. Inhibits the Wnt/beta-catenin signaling pathway, probably by recruiting CTNNB1 to recycling endosomes and hence preventing its translocation to the nucleus. Participates in angiogenesis. May play a role in the polarity, proliferation and migration of endothelial cells. Selectively promotes FGF-induced MAPK activation through SRC. {ECO:0000269|PubMed:17293535, ECO:0000269|PubMed:21937427, ECO:0000269|PubMed:22362771}.

## Target Details

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Molecular Weight: 85.8 kDa

UniProt: [Q9Y2J4](#)

## Application Details

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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

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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