

Datasheet for ABIN7563615
AGBL4 Protein (AA 1-540) (His tag)



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Overview

Quantity:	1 mg
Target:	AGBL4
Protein Characteristics:	AA 1-540
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGBL4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Agbl4 Protein expressed in mammalien cells.
Sequence:	MAERSQTAPE AGNDTGNEDA IGGNVNKYIV LPNGYSGQPK KGHLTFDACF ESGNLGRVEQ VSDFEYDLFI RPDTCNPRFR VWFNFTVENV KELQRVIFNI VNFSTKSLY RDGMAPMVKS TSRPKWQRLP PKNVYYRCP DHRKNYVMSF AFCFDREDDI YQFAYCYPYT YTRFQHYLDS LQKKNMDYFF REQLGQSVQQ RQLDLLTITS PENLREGSEK KVIFITGRVH PGETPSSFVC QGIIDFLVSQ HPIARVLEH LVFKIAPMLN PDGVYLGNYR CSLMGFDLNR HWLDPSPWAH PTLHGKQLI IKMYNDPKTS LEFYDIAH STMMNGFMYG NIFEDEERFQ RQSIFPKLLC QNAEDFSYTS TSFNRAVKA GTGRRFLGGL LDHSSYCYTL EVSFYSYIIG GTTAAVPYTE EAYMKLGRNV ARTFLDYRRL NSLVEKIAVP MPRLRSKEER RLGWEHPSCL RAEQPLEVLG IPMCSGKALN EHLGNDIQWH LDCGSSTLPL GLISCSPSSS ASWNDMAMSN SILLPDHSFH 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.

Product Details

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:

AGBL4

Alternative Name:

Agbl4 ([AGBL4 Products](#))

Background:

Cytosolic carboxypeptidase 6 (EC 3.4.17.-) (EC 3.4.17.24) (ATP/GTP-binding protein-like 4) (Protein deglutamylase CCP6),FUNCTION: Metalloprotease that mediates protein deglutamylation of tubulin and non-tubulin target proteins (PubMed:21074048, PubMed:25103237, PubMed:26829768, PubMed:29593216). Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of tubulin protein (PubMed:21074048, PubMed:25103237). Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate (PubMed:25103237). Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of non-tubulin proteins such as MYLK (PubMed:21074048). Mediates the deglutamylation of nucleotidyltransferase CGAS, leading to CGAS antiviral defense response activation (PubMed:26829768). Involved in KLF4 deglutamylation which promotes KLF4 proteasome-mediated degradation, thereby negatively regulating cell pluripotency maintenance

Target Details

and embryogenesis (PubMed:29593216). {ECO:0000269|PubMed:21074048, ECO:0000269|PubMed:25103237, ECO:0000269|PubMed:26829768, ECO:0000269|PubMed:29593216}.

Molecular Weight: 62.2 kDa

UniProt: [Q09LZ8](#)

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