

Datasheet for ABIN7564550
AGBL3 Protein (AA 1-1006) (His tag)



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Overview

Quantity:	1 mg
Target:	AGBL3
Protein Characteristics:	AA 1-1006
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGBL3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Agbl3 Protein expressed in mammalian cells.
Sequence:	<p>MSEDSEEDY SDRSISDDDD LDEDSFMKFV SDDIHPCTLL AADSIGDPFF PRTTQILLEY QLGRWVPLRL GPRDLYGVSS SGPLSPTRWP YHCEVIDEKV QHIEWTPFVP EPVYVPTGLE IEPVYPNSKE DTVVYLAEDD HLCKAYKEPC FVYSRVGGNR TSLKQPDVNC DNTLVFEARF ESGNLQKVVK VADHEYELTV RPDLFNTKHT QWYYFQVTNT QAEIVRFTI VNFTKPASLY NRGMKPLFYS EKEAKTHNIG WQRIGDQIKY YKNNLGQDGR HFFSLTWTFQ FPHSQDTCYF AHCYPYTYSN LQEYLSGINS DPVRSKFCKI RVLCHTLARN MVVLTITTP LKTSDSKRKA VILTARVHPG ETNSSWIMKG FLDYILGDSS DARLLRDTFI FKVVPM LNPD GVIVGNRYCS LAGRDLNRNY TSLLESFPS VWYTRNMINR LMEKREVILY CDLHGHSRKQ NIFMYGCDGS SRSKTKGLYL QQRIFPLMLS KNCPNIFSFS ACKFNVQKSK EGTGRVVMWK MGIRNSFTLE ATFCGSTLGN KRGTHFGTKD LESMGYHFCD SLLDYCDPDR SKYYQCLKEL EEMEKHLSSE RVSDNTDTSL VEISLDVESS SRGSDSSESN DTQTYLLKVT SQARNKKKYL KTKRERNAIL ANCQNNMQEV YGKEHLLQRH DESNSDGNPD RIDAPDVYVA HCFRRPLPNQ GVKIPGQRF</p>

Product Details

YPGKTWSSSQ RMIKSLNKDH RTCILETCKN PIQEVQSRGI NIHESCFKMA KCPMINKRPSH
WIEKTRIPTE SHHQLKSKAK RCSSFQSKRT GTNWTDDDEKR IYRDKRIAQT QEILKYLLPI
VESSQNRKST QMNNLINPIA NLQQHQLIPT ACINRRRYSI PWTPTRNLPF KAQRNLMTDT
SEWLQSVPLG SFESLLPLCN LQKKTKEHFEL WGKKAKDVQL ATSQWEAVPL SSNMDASIIR
GNSVLQPKEF TMRSSQQRIP YLTKTSKKPS ESDGLLTFQL KIHNRNS **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: 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: AGBL3

Alternative Name: Agbl3 ([AGBL3 Products](#))

Background: Cytosolic carboxypeptidase 3 (EC 3.4.17.-) (ATP/GTP-binding protein-like 3) (Protein deglutamylase CCP3),FUNCTION: Metalloprotease that mediates deglutamylation of tubulin and non-tubulin target proteins (PubMed:25103237). Catalyzes the removal of

Target Details

polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of tubulin protein (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:25103237). May catalyze the hydrolysis of aspartate from the carboxy-terminus of target proteins (PubMed:25103237). Does not show detyrosinase or deglycylase activities from the carboxy-terminus of target proteins (PubMed:25103237). {ECO:0000269|PubMed:25103237}.

Molecular Weight: 116.4 kDa

UniProt: [Q8CDP0](#)

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