

Datasheet for ABIN7552903  
**AGBL3 Protein (AA 1-1001) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	AGBL3
Protein Characteristics:	AA 1-1001
Origin:	Human
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>MSEDSEKEDY SDRTISDEDE SDEDMFMKFV SEDLHRCALL TADSFQDPFF PRRTQILLEY            QLGRWVPRLR EPRDLYGVSS SGPLSPTRWP YHCEVIDEKV QHIDWTPSCP EPVYIPTGLE            TEPLYPDSKE ATVVYLAEDA YKEPCFVYSR VGGNRTPLKQ PVDYRDNTLM FEARFESGNL            QKVVKVAEYE YQLTVRPDLF TNKHTQWYYF QVTNMRAGIV YRFTIVNFTK PASLYSRGMR            PLFYSEKEAK AHHIGWQRIG DQIKYYRNNP GQDGRHYFSL TWTFQFPHNK DTCYFAHCYP            YTYTNLQEYL SGINNDPVRS KFCKIRVLCH TLARNMVYIL TITTPKNSD SRKRKAVILT            ARVHPGETNS SWIMKGFLDY ILGNSSDAQL LRDTFVFKVV PMLNPDGVIV GNYRCSLAGR            DLNRNYTSLK KESFPSVWYT RNMVHRLMEK REVILYCDLH GHSRKENIFM YGCDGSDRSK            TLYLQQRIFP LMLSKNCPDK FSFACKFNV QKSKEGTGRV VMWKMGIKNS FTMEATFCGS            TLGNKRGTHF STKDLESMGY HFCDSLDDYC DPDRTKYYRC LKELEEMERH ITLEKVFEDS            DTPVIDITLD VESSRGSDES SESIDSLTYL LKLTSSQKKHL KTKKERNSTI ASHQNARGQE            VYDRGHLLQR HTQNSDVKD TRPNEPDDYM VDYFRRQLPN QGLAHCKLRL PGSRHSPASA</p>

## Product Details

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SRVAGTTGTR HHTWLIFVFL VEMGKKIPLK GTDLYGNCFK VTSLQSPMGK QTSTWTEKTR  
IPTEDLHHNL KSKIKECISF QSKKTGINWT DDEKRSYKDK GIVQTQEILQ YLLPIVHSTK  
NMQTTQIKQL FNPRTNFQIQ HQLNPATCRN IKKYSTSWTA PRNHFPVIQG DVMANSSEWV  
QSKPHRSLES LSPLKGPCKN KHSQIWAIKN EDIKPLSSKW ETASSSFGMD ANVLKYKSLQ  
AEETNQSSK HTALHLTKNK DEQANKNDGQ PTLYLKQRE S **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

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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. Catalyzes the removal of polyglutamate side chains

## Target Details

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present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of tubulin protein. Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate. Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of non-tubulin proteins such as MYLK. May catalyze the hydrolysis of aspartate from the carboxy-terminus of target proteins. Does not show de tyrosinase or deglycylase activities from the carboxy-terminus of target proteins.

{ECO:0000250|UniProtKB:Q8CDP0}, FUNCTION: [Isoform 2]: Metalloprotease that mediates tubulin deglutamylation. {ECO:0000269|PubMed:25103237}.

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Molecular Weight: 116.0 kDa

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UniProt: [Q8NEM8](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months