

Datasheet for ABIN7552971

## AGBL5 Protein (AA 1-886) (His tag)



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### Overview

Quantity:	1 mg
Target:	AGBL5
Protein Characteristics:	AA 1-886
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGBL5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant AGBL5 Protein expressed in mammalian cells.
Sequence:	<p>MELRCGGLLF SSRFDSGNLA HVEKVESLSS DGEGVGGGAS ALTSGIASSP DYEFNWTRP</p> <p>DCAETEFENG NRSWFYFSVR GGMPGKLIKI NIMNMNKQSK LYSQGMAPFV RTLPTPRWE</p> <p>RIRDRPTFEM TETQFVLSFV HRFVEGRGAT TFFAFCYPFS YSDCQELLNQ LDQRFENHP</p> <p>THSSPLDTIY YHRELLCYSL DGLRVDLLTI TSCHGLREDR EPRLEQLFPD TSTPRPFRFA</p> <p>GKRIFFLSSR VHPGETPSSF VFNGFLDFIL RPDDPRAQTL RRLFVFKLIP MLNPDGVVRG</p> <p>HYRTDSRGVN LNRQYLKPDV VLHPAIYGAK AVLLYHHVHS RLNSQSSSEH QPSSCLPPDA</p> <p>PVSDLEKANN LQNEAQCQHS ADRHNAEAWK QTEPAEQKLN SVWIMPQQSA GLEESAPDTI</p> <p>PPKESGVAYY VDLHGHASKR GCFMYGNSFS DESTQVENML YPKLISLNSA HFDFQGCNFS</p> <p>EKNMYARDRR DGQSKEGSGR VAIYKASGII HSYTLECNYN TGRSVNSIPA ACHDNGRASP</p> <p>PPPPAFPSRY TVELFEQVGR AMAIAALDMA ECNPWPRIVL SEHSSLTNLR AWMLKHVRNS</p> <p>RGLSSTLNVG VNKKRGLRTP PKSHNGLPVS CSENTLSRAR SFSTGTSAGG SSSSQQNSPQ</p> <p>MKNSPSFPFH GSRPAGLPGL GSSTQKVTHR VLGVPVREPRS QDRRRQQQPL NHRPAGSLAP</p>

## Product Details

SPAPTSSGPA SSHKLGSCLL PDSFNIPGSS CSLLSSGDKP EAVMVIGKGL LGTGARMPCI  
KTRLQARPL GRGSPPTRRG MKGSSGPTSP TPRTRESSEL ELGSCSATPG LPQARPPRRP  
SAPAFSPISC SLSDSPSWNC YSRGPLGQPE VCFVPKSPPL TVSPRV **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:** AGBL5

**Alternative Name:** AGBL5 ([AGBL5 Products](#))

**Background:** Cytosolic carboxypeptidase-like protein 5 (EC 3.4.17.-) (EC 3.4.17.24) (ATP/GTP-binding protein-like 5) (Protein deglutamylase CCP5), FUNCTION: Metalloprotease that mediates deglutamylation of tubulin and non-tubulin target proteins. Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of alpha- and beta-tubulin. Cleaves alpha- and gamma-linked polyglutamate

## Target Details

	tubulin side-chain, as well as the branching point glutamate. Also catalyzes the removal of alpha-linked glutamate residues from the carboxy-terminus of alpha-tubulin. Mediates deglutamylation of nucleotidyltransferase CGAS, leading to CGAS antiviral defense response activation. {ECO:0000250 UniProtKB:Q09M02}.
Molecular Weight:	97.5 kDa
UniProt:	<a href="#">Q8NDL9</a>

## 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