

Datasheet for ABIN7563616
AGBL5 Protein (AA 1-886) (His tag)



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Overview

Quantity:	1 mg
Target:	AGBL5
Protein Characteristics:	AA 1-886
Origin:	Mouse
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:	MELRCGGLLF SSRFDSGNLA HVEKVETVSS DGEGVGGVAT APASGSAASP DYEFNVWTRP DCAETHEYENG NRSWFYFSVR GGTPGKLIKI NIMNMNKQSK LYSQGMAPFV RTLPSRPRWE RIRERPTFEM TETQFVLSFV HRFVEGRGAT TFFAFCYPFS YSDCQDLLSQ LDQRFSENYS THSSPLDSIY YHRELLCYSL DGLRVDLLTI TSCHGLRDDR EPRLEQLFPD LGTPRPFRT GKRIFFLSSR VHPGETPSSF VFNGFLDFIL RPDDPRAQTL RRLFVFKLIP MLNPDGVVRG HYRTDSRGVN LNRQYLKPPDA VLHPAIYGAK AVLLYHHVHS RLNAKSPTNQ QPTLHLPPEA PLSDLEKANN LHNEAHLGQS PDGENPATWP ETEPAEEKTD PVWLMPQPIP ELEEPAPDTI PPKESGVAYY VDLHGHASKR GCFMYGNSFS DESTQVENML YPKLISLNSA HFDFQGCNFS EKNMYARDRR DGQSKEGSGR VAIYKASGII HSYTLECNYN TGRSVNSIPA ACHDNGRASP PPPPAFPSRY TVELFEQVGR AMAIAALDMA ECNPWPRIVL SEHSSLTNLR AWMLRHVRNS RGLTSAGNMG ASKKGARTP PKSNNSLPVS CSENALSRVR SFSTGTSTGG SSSSQQNSPQ MKNSPSFPFH GSRTAGLPGL GSSTQKVSHR VLGVPVREPRC SDRRRRQQL NHRSTTSSLA

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PSPTLASSGP TSSRNMGSCL LPNLSLSLGS SCSFSSSGDK PEAVMVGKS LLGAGARIPC
IRTRLQARPR LGRSSPPTRR GMRGSSPTSP IPQTRESSEL EPGPHSATPG LPQAGPPRPR
SAPAFSPISC TLSDSPSRIC YSRGLLNQCE VCFVPKSPPL TISPRV **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: AGLB5

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 (PubMed:21074048, PubMed:20519502, PubMed:24022482, PubMed:26829768). Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within

Target Details

the C-terminal tail of alpha- and beta-tubulin (PubMed:21074048, PubMed:20519502, PubMed:24022482). Cleaves alpha- and gamma-linked polyglutamate tubulin side-chain, as well as the branching point glutamate (PubMed:21074048, PubMed:24022482). Also catalyzes the removal of alpha-linked glutamate residues from the carboxy-terminus of alpha-tubulin (PubMed:24022482). Mediates deglutamylation of nucleotidyltransferase CGAS, leading to CGAS antiviral defense response activation (PubMed:26829768).
{ECO:0000269|PubMed:20519502, ECO:0000269|PubMed:21074048, ECO:0000269|PubMed:24022482, ECO:0000269|PubMed:26829768}.

Molecular Weight: 97.6 kDa

UniProt: [Q09M02](#)

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