

Recombinant Human AGBL5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AGBL5-5012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AGBL5 MS Standard C13 and N15-labeled recombinant protein (NP_068603) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a metallopeptidase involved in protein deglutamylation and a member of the peptidase M14 family of proteins. The encoded protein has been described as a "dual-functional" deglutamylase that can remove glutamate residues from both carboxyl termini and side chains of protein substrates. This deglutamylase activity may be important in antiviral immunity. Mutations in this gene are associated with retinitis pigmentosa.
Molecular Mass	97.4 kDa
AA Sequence	MELRCGGLLFSSRFDSGNLAHVEKVESLSSDGEGVGGGASALTSGIASSPDYEFNV WTRPDCAETEFENGNSWFYFSVRGGMPGKLIKINIMNMNKQSKLYSQGMAPFVR TLPTRPRWERIRDRPTFEMTETQFVLSFVHRFVEGRGATTFFAFCYPFSYSDCQELL NQLDQRFPENHPHTSSPLDTIYYHRELLCYSLDGLRVDLLTITSCHGLREDREPRLE QLFPDTSTPRPFRFAGKRIFLSSRVHPGETPSSFVFNGFLDFILRPDDPRAQTLRRL FVFKLIPMLNPDGVVRGHYRTDSRGVNLNRQYLKPD AVLHPA IYGAKAVLLYHHVHS RLNSQSSSEHQPSCLPPDAPVSDLEKANNLQNEAQC GHSADRHNAEAWKQTEPA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EQKLNSVWIMPQQSAGLEESAPDTIPPKESGVAYYVDLHGHASKRGCFMYGNSFS
 DESTQVENMLYPKLISLNSAHFDFQGCNFSEKNMYARDRRDGQSKEGSGRVAIYKA
 SGIHSYTLNNTGRSVNSIPAACHDNGRASPPPPPAFPSRYTVELFEQVGRAMA
 IAALDMAECNPWPRIVLSEHSSLTNLRAWMLKHVRNSRGLSSTLNVGVNKKRGLRT
 PPKSHNGLPVSCSENTLSRARSFSTGTSAGGSSSSQQNSPQMKNSPSFPFHGSRP
 AGLPGLGSSSTQKVTHRVLGPVREPRSQDRRRQQQPLNHRPAGSLAPSPAPTSSGP
 ASSHKLGSCLLPDSFNIPGSSCSLLSSGDKPEAVMVGKGLLGTGARMPCIKTRLQA
 RPRLGRGSPPTRRGMKGSSGPTSPTPTRESSELELGSCSATPGLPQARPPRPRS
 APAFSPISCSLSDSPSWNCYSRGLGQPEVCFVPKSPPLTVSPRVTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [AGBL5 ATP/GTP binding protein-like 5 \[Homo sapiens \(human\) \]](#)

Official Symbol [AGBL5](#)

Synonyms ABL5; ATP/GTP binding protein-like 5; cytosolic carboxypeptidase-like protein 5; FLJ21839; ATP/GTP-binding protein-like 5;

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Gene ID	60509
mRNA Refseq	NM_021831
Protein Refseq	NP_068603
MIM	615900
UniProt ID	Q8NDL9
SDS-PAGE	