

Recombinant Human AGL5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AGL5-5012H Lot. No. (See product label)

SPECIFICATION

Product Overview	AGL5 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 metallocoxy-peptidase involved in protein de-glutamylation and a member of the peptidase M14 family of proteins. The encoded protein has been described as a "dual-functional" de-glutamylase that can remove glutamate residues from both carboxyl termini and side chains of protein substrates. This de-glutamylase activity may be important in antiviral immunity. Mutations in this gene are associated with retinitis pigmentosa.
Molecular Mass	97.4 kDa
AA Sequence	MELRCGLLFSSRFDSGNLAHVEKVESLSSDGEGVGGGASALTSGIASSPDYEFNV WTRPDCAETEFENGNRSWFYFSVRGGMPGKLIKINIMNMNKQSKLYSQGMAPFVR TLPTRPRWERIRDRPTFEMTETQFVLSFVHRFVEGRGATFFAFCYPFSYSDCQELL NQLDQRFPENHPHTSSPLDTIYYHRELLCYSLDGLRVDLLTITSCHGLREDREPRLE QLFPDTSTPRPFRFAGKRIFLSSRVHPGETPSSFVFNGFLDFILRPDDPRAQTLRRL FVFKLIPMLNPDGVVRGHYRTDSRGNLNRQYLKPDVLAHPAIYGAKAVLLYHHVHS RLNSQSSSEHQPSCLPPDAPVSDLEKANNLQNEAQCCHSADRHNAAEWKQTEPA

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

EQKLNSVWIMPQQSAGLEESAPDTIPPKESGVAYYVDLHGHASKRGCIFYGNSFS
 DESTQVENMLYPKLISLNSAHFDFQGCNFSEKNMYARDRRDGQSKEGSGRVAIYKA
 SGIHSYTLNNTGRSVNSIPAACHDNGRASPPPPPAFPSRYTVELFEQVGRAMA
 IAALDMAECNPWPRIVLSEHSSLNLRWMLKHVRNSRGLSSTLNVGVNKKRGLRT
 PPKSHNGLPVSCSENTLSRARSFSTGTSAGGSSSSQQNSPQMKNSPSFPFHGSRP
 AGLPGLGSSTQKVTHRVLGPVREPRSQDRRRQQQLNHRPAGSLAPSPAPTSSGP
 ASSHKLGSCLLPDSFNIPGSSCSLLSSGDKPEAVMVGKGLLGTGARMPCIKTRLQA
 RPRLGRGSPPTRRGMKGSSGPTSPTPRTRRESSELELGSCSATPLPQARPPRPRS
 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 [AGBL5](#); [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

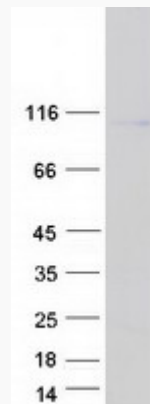
mRNA Refseq NM_021831

Protein Refseq NP_068603

MIM 615900

UniProt ID Q8NDL9

SDS-PAGE



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