

## Recombinant Human AGBL5 Protein, GST-tagged

**Cat. No.** AGBL5-419H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AGBL5 full-length ORF ( ENSP00000323681, 1 a.a. - 724 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | This gene encodes a metallocarboxypeptidase 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. [provided by RefSeq, Jul 2016]                                   |
| <b>Molecular Mass</b>   | 106.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | <p>MNMNKQSKLYSQGMAPFVRTLPTRPRWERIRDRPTFEMTETQFVLSFVHRFVEGR</p> <p>GATFFAFYCYPFSYSDCQELLNQLDQRFPENHPHSSPLDTIYYHRELLCYSLDGLR</p> <p>VDLLTITSCHGLREDREPRLEQLFPDTSTPRPFRFAGKRIFFLSSRVHPGETPSSFVF</p> <p>NGFLDFILRPDDPRAQTLRRLFVFKLIPMLNPDGVVRGHYRTDSRGVNLNRQYLKPD</p> <p>AVLHPAIYGAKAVLLYHHVHSRLNSQSSSEHQPSCLPPDAPVSDLEKANNLQNEA</p> <p>QCGHSADRHNAEAWKQTEPAEQKLSVWIMPQQSAGLEESAPDTIPPKESGVVAYY</p> <p>VDLHGHASKRGCFMYGNSFSDESTQVENMLYPKLISLNSAHFDFQGCNFSEKNMY</p> <p>ARDRRDGQSKEGSGRVAIYKASGIIHSYTLNNTGRSVNSIPAACHDNGRASPPP</p> |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

PPAFPSRYTVELFEQVGRAMAIAALDMAECNPWPRIVLSEHSSLTNLRAWMLKHVR  
 NSRGLSSTLNVGVNKKRGLRTPPKSHNGLPVSCSENTLSRARSFSTGTSAGGSSSS  
 QQNSPQMKNSPSFPFHGSRPAGLPGLGSSTQKVTHRVLGPVREPRSQDRRRQQQ  
 PLNHRPAGSLAPSPAPTSSGPASSHKLGSCLLPDSFNIPGSSCSLLSSGDKPEAVMV  
 IGKGLLGTGARMPCIKTRLQTCPRRVSARRGPGFPRLGPGWAGAHRRRLAEG

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

AGBL5 ATP/GTP binding protein-like 5 [ Homo sapiens ]

**Official Symbol**

AGBL5

**Synonyms**

AGBL5; ATP/GTP binding protein-like 5; cytosolic carboxypeptidase-like protein 5;  
 FLJ21839; ATP/GTP-binding protein-like 5;

**Gene ID**

60509

**mRNA Refseq**

NM\_001035507

**Protein Refseq**

NP\_001030584

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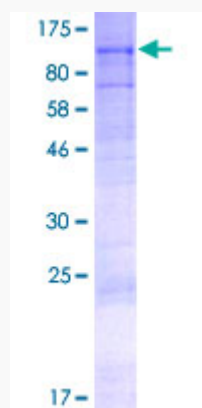
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MIM 615900

UniProt ID Q8NDL9

Quality Control  
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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