

Recombinant Full Length Human AGL5 Protein, GST-tagged

Cat. No. AGL5-997HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGL5 full-length ORF (ENSP00000323681, 1 a.a. - 724 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	724 amino acids
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. [provided by RefSeq, Jul 2016]
Molecular Mass	106.8 kDa
AA Sequence	MNMNKQSKLY SQGMAPFVRT LPTRPRWERI RDRPTFEMTE TQFVLSFVHR FVEGRGATT FAFCYPF SYS DCQELLNQLD QRFPENHP TH SSPLDTIYYH RELLCYSLDG LRVDLLTITS CHGLREDREP RLEQLFPDTS TPRPFRFAGK RIFFLSSRVH PGETPSSFVF NGFLDFILRP DDPRAQTLRR LFVFKLIPML NPDGVVRG HY RTDSRGVNLN RQYLKPD AVL HPAIYGAKAV LLYHHVHSRL NSQSSSEHQP SSCLPPDAPV SDLEKANNLQ NEAQC GHSAD RHNAEAWKQT EPAEQKLNSV WIMPQQSAGL EESAPDTIPP KESGVAYYVD LHGHASKRGC

 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

FMYGNSFSDE STQVENMLYP KLISLNSAHF DFQGCNFSEK NMYARDRRDG
 QSKEGSGRVA IYKASGIIHS YTLECNNTG RSVNSIPAAC HDNGRASPPP
 PPAFPSRYTV ELFEQVGRAM AIAALDMAEC NPWPRIVLSE HSSLTNLRAW
 MLKHVRNSRG LSSTLNVGVN KKRGLRTPPK SHNGLPVSCS ENTLSRARSF
 STGTSAGGSS SSQQNSPQMK NSPSFPFHGS RPAGLPGLGS STQKVTHRVL
 GPVREPRSQD RRRQQQPLNH RPAGSLAPSP APTSSGPASS HKLGSCLLPD
 SFNIPGSSCS LLSSGDKPEA VMVIGKLLG TGARMPCIKT RLQTCPRRVS
 ARRGPGFRL GPGWAGAHRR LAEG

Applications

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

Storage

Store at -80 centigrade. 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

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Protein Refseq	NP_001030584
MIM	615900
UniProt ID	Q8NDL9

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