

## Product datasheet for PH317452

### AGBL5 (NM\_021831) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AGBL5 MS Standard C13 and N15-labeled recombinant protein (NP_068603)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217452
Predicted MW:	97.4 kDa
Protein Sequence:	>RC217452 representing NM_021831 Red=Cloning site Green=Tags(s)

MELRCGGLLFSSRFDSGNLAHVEKVESLSSDGEGVGGASALTSGIASSPDYEFNVWTRPDCAETEFENG  
NRSWFYFSVRGGMPGKLIKINIMNMNKQSKLYSQGMAPFVRTLPTRPRWERIRDRPTFEMTETQFVLSFV  
HRFVEGRGATTFFAFCYPFSYSDCQELLNQLDQRFPENHPTHSSPLDTIYYHRELLCYSLDGLRVDLLTI  
TSCHGLREDREPRLEQLFPDTSTPRPFRFAGKRIFFLSSRVHPGETPSSFVFNGLDFILRPDDPRAQTL  
RRLFVFKLIPMLNPDGVVRGHYRTDSRGVNLNRQYLKPDVAVLHPAIYGAKAVLLYHHVHSRLNSQSSEH  
QPSSCLPPDAPVSDLEKANNLQNEAQCCHSADRHNAEAWKQTEPAEQKLSVWIMPQQSAGLEESAPDTI  
PPKESGVAYYYVDLHGASKRGCFMYGNSFSDESTQVENMLYPKLSLNSAHFDFQGCNFKSEKNMYARDRR  
DQSQKEGSGRVAIYKASGIIHSYTLNNTGRSVNSIPAACHDNGRASPPPPAFPSRYTVLFEQVGR  
AMAIAALDMAECNPWPRIVLSEHSSLTNLRAWMLKHVRNSRGLSSTLNVGVNKKRGLRTPPKSHNGLPVS  
CSENTLSRARSFSTGTSAGGSSSQNSPQMKNSPSPFFHGSRPAGLPGLGSSTQKVTHRVLGPVREPRS  
QDRRRQQPLNHRPAGSLAPSPAPTSSGPASSHKLGSCLLPDSFNIPGSSCSLLSSGDKPEAVMVIKGL  
LGTGARMPCIKTRLQARPLGRGSPPTRRGMKGSSGPTSPTPRTRESSELELGSCSATPGLPQARPPRR  
SAPAFSPISCSLSDSPSWNCYSRGPLGQPEVCFVPKSPPLTVSPRV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP\\_068603](#)

RefSeq Size: 3254

RefSeq ORF: 2658

Synonyms: CCP5; RP75

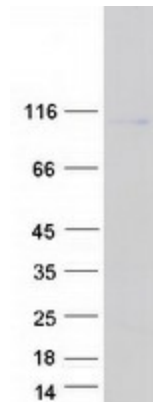
Locus ID: 60509

UniProt ID: [Q8NDL9](#)

Cytogenetics: 2p23.3

**Summary:** 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]

### Product images:



Coomassie blue staining of purified AGBL5 protein (Cat# [TP317452]). The protein was produced from HEK293T cells transfected with AGBL5 cDNA clone (Cat# [RC217452]) using MegaTran 2.0 (Cat# [TT210002]).