

Product datasheet for **SC327890**

AGBL4 (NM_032785) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	AGBL4
Synonyms:	CCP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>SC327890 representing NM_032785. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGGAGGGGAGCCAGTCGGCGCCTGAGGCAGGCAATGATATGGGAAATGATGATGCCATTGGAGGG AATGTGAGCAAATATATAGTCTTCCAACCTGGCTATTGTGGACAGCCCAAGAAAGGACATCTTATCTTT GATGCTTGCTTTGAAAGTGGTAACCTGGGCGGGTGGACCAGGTCTCTGAGTTTGAGTATGATCTGTTT ATTAGGCCGACACCTGTAATCCACGCTTCCGAGTCTGGTTCAACTTTACTGTTGAAATGTGAAAGAA TCACAGAGGGTCATTTTCAACATTGTTAACTTCAGTAAAACCAAGAGTCTCTATAGAGATGGGATGGCC CCTATGGTGAATCTACCAGCAGACCAAAATGGCAAAGGCTGCCACCAAAATGTTTACTACTACCGC TGCCCGGACCATAGGAAGAACTATGTGATGCTCTTGCCTTTGTTTGGCCGAGAAAGATATTTAC CAGTTTGCTTACTGCTACCCATATACATACTCGCTTCCAACATTACCTTGACAGCCTGCAAAAGAGA AACATGGATTACTTCTTCGGGAGCAGCTGGGCCAGAGTGTGCAACAACGAAAGCTTGACCTCTGACG ATAACAGCCCTGACAATCTCCGGGAAGGGCAGAGCAGAAGGTGGTATTCATCAGGACGAGTCCAC CCAGGGGAAACACCCTCATCATTTGTGTGCAAGGGATCATTGACTTCCTTGTAAGCCAGCACCCCTATT GCCTGTGCTCTCCGGGAATACCTGGTCTTCAAGATCGCACCAATGCTCAATCCTGATGGAGTCTACCTG GGCAATTACAGGTGTTCTCTGATGGGATTGATCTGAATCGTCACTGGCTGGATCCCTCTCCATGGGTC CATCTACCTGTCATGGAGTGAACAACCTCATCGTCCAGATGTACAACGACCAAAACAAGCCTGGAG TTTTATATTGACATCCATGCCACTCCACCATGATGAATGGCTTCATGTATGGCAACATCTTTGAGGAT GAGGAACGGTTCAGAGGCAGGCCATTTTCCCAAGCTCCTGCGCAGAATGCTGAGGACTTCTCTAT TCCAGCACATCCTTAACCGGACGCTGTGAAAGCAGGAAGTGGCGTCGCTTCTCGGTGGACTCCTG GACCACACTTCTATTGCTACACCTAGAGGTCTCTTCTACAGCTACATCATGAGTGGCACCACGGCT GCTGTGCCCTACACTGAAGAAGCCTATATGAAGCTGGGGCGGAATGTGGCAAGAACCTTTTGGACTAT TATCGGCTGAACCCCGTGGTTGAAAAGGTGGCAATTCCTATGCCGAGACTGCGAAATAAAGAAATAGAA GTCCAGAGAAGGAAAGAAAAATCCCTCCTTACAAGCACCACTCCTGCGGGGCCAGCCAGCAACTAC CCCAACAGCAAAGGGGACAAGAAGAGCTCAGTGAACCACAAAGACCCTTCAACCCCTTTTAA ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_032785
Insert Size:	1512 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032785.3</u>
RefSeq Size:	2988 bp
RefSeq ORF:	1512 bp
Locus ID:	84871
UniProt ID:	<u>Q5VU57</u>
Cytogenetics:	1p33
Domains:	Zn_carbOpept
Protein Families:	Druggable Genome
MW:	58.2 kDa
Gene Summary:	Metalloprotease that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes polyglutamates from the carboxy-terminus of target proteins such as MYLK. Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS. Acts as a long-chain deglutaminase and specifically shortens long polyglutamate chains, while it is not able to remove the branching point glutamate, a process catalyzed by AGBL5/CCP5.[UniProtKB/Swiss-Prot Function]