

## Product datasheet for **SC302836**

### AGBL5 (NM\_001035507) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AGBL5 (NM_001035507) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGBL5
Synonyms:	CCP5; RP75
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001035507, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTGCGCTGTGGGGGATTGCTGTTCAAGTCTCGCTTTGATTACAGGAATCTAGCC
CACGTGGAGAAGGTGGAATCTTTGTCCAGTGATGGGGAAGGGTAGGAGGTGGGGCGTCA
GCCCTGACCAGTGGCATTGCCTCTCCCTGACTATGAATCAACGTGTGGACCCGACCA
GACTGTGCTGAAACGGAATTTGAGAATGGGAACAGGTCATGGTTCTACTTCAGCGTCCGG
GGAGGAATGCCAGGAAAACATCAAGATCAACATTATGAACATGAACAAGCAGAGCAAG
CTGTATCCAGGGCATGGCCCCCTTTGTGCGCACACTGCCACCCGGCCACGCTGGGAA
CGCATTGAGACCGGCCACCTTTGAGATGACAGAGACGAGTTTGTGTTATCCTTTGTT
CATCGTTTCGTGGAGGGCGTGGGGCCACCACCTTCTTCGCTTCTGCTACCCCTTCTCC
TACAGTGACTGCCAGGAAGTCTAAACCAGCTAGACCAGCGCTTCCGGAGAACCACCT
ACCCATAGCAGCCCCCTGGATACCATCTATTACCATCGGGAGCTCCTTTGCTATTCTCTG
GATGGACTTCGTGATAGATCTGCTGACGATCACTTCTGCCATGGGCTTCGAGAAGATCGA
GAGCCCCGTCTAGAGCAGCTATTTCTGATACCAGCACCCCTCGACCATTCCGTTTCGCA
GGCAAGAGGATATTCTTTAAGCAGTAGAGTACACCCAGGGGAGACTCCATCTAGCTTT
GTCTTCAATGGCTTTCTGGACTTCATCCTCCGACCTGATGATCCCGGGGCCAAACCTC
CGTCGCCTCTTCGTCTTTAAGCTGATTCCCATGTTGAACCCCGATGGTGTGGTCCGGGGA
CACTACCGCACAGACTCACGTGGAGTGAATCTGAACCGTCAGTACCTGAAGCCTGATGCC
GTCCTGCACCCGGCCATCTATGGGGCAAAGCTGTGCTTCTTACCACCATGTGCACTCT
CGTCTGAACTCCCAGAGTTCTCTGAGCACCAGCCAGTTCCTGTCTCCCTCCTGATGCT
CCTGTTTCTGACTGGAGAAAGCCAACAATCTCCAAAATGAAGCTCAGTGTGGGCACTCA
GCTGACAGGCATAACGCTGAAGCCTGGAACAAACAGAGCCAGCAGAACAGAAGTCAAC
AGTGTGTGGATTATGCCACAACAGTCTGCGGGGCTTGAAGAGTCAGCCCCGATACCATC
CCCCCAAAGAGAGTGGCGTTGCTTACTATGTGGACCTGCATGGACATGCTTCCAAAAGG
GGCTGCTTCATGTACGGAACAGCTTTAGTGATGAGAGCACCCAGGTGGAACATGCTA
TATCCAAAGCTCATCTCCTTGAATTCAGCCACTTCGACTTCCAGGGTCAATTTCTCA
GAGAAGAATATGTATGCCCGAGACCGTAGAGATGGCCAGTCTAAAGAGGGGAAAGCGCCGT
GTTGCAATCTACAAAGCCTCAGGATAATCCACAGCTACACACTGAATGCAACTACAAC
ACTGGACGCTCAGTAAACAGCATCCCTGCTGCCTGCCATGACAAATGGGCGTGCCAGCCCC
CCTCCCCCGCGGCTTTCCCTCCAGATACACTGTGGAATTTGAGCAGGTGGGACGA
GCTATGGCCATTGCAGCCCTGGACATGGCGGAATGTAATCCGTGGCCCCGAATTGACTG
TCAGAGCACAGCAGCCTTACTAATCTACGGCCTGGATGCTGAAACATGTACGCAACAGC
CGAGGCCTAAGCAGCACTCTGAATGTGGGTGTCAACAAGAAGAGGGGCCCTTCGAACTCCA
CCCAAAAGTCACAATGGGTTGCCTGTCTCCTGCTCCGAAAACACCTTGAGTCGGGCACGA
AGTTTTAGCACCGGCACAAGTGGCGGTGGTAGCAGCAGCAACAAAATTTCTCCACAG
ATGAAGAATTTCCCCAGCTTTCTTTTCATGGCAGTCGGCCTGCAGGGCTGCCAGGCCTG
GGCTCTAGTACCCAAAAGGTCACCCACCGGGTCTGGGCCCGTCAGAGGTAAGCCAGTC
TGGGAGCCCCTGCAACATGTGTTTCGTTGTCTGGGGCATTGCTGGGGGAAGTAA

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- Restriction Sites:** Please inquire
- ACCN:** NM\_001035507
- 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001035507.1, NP_001030584.1</u>
<b>RefSeq Size:</b>	2430 bp
<b>RefSeq ORF:</b>	2154 bp
<b>Locus ID:</b>	60509
<b>UniProt ID:</b>	<u>Q8NDL9</u>
<b>Cytogenetics:</b>	2p23.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks several exons and its 3' terminal exon extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus compared to isoform 1.</p>