

## Product datasheet for SC319569

### Apg3 (ATG3) (NM\_022488) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apg3 (ATG3) (NM\_022488) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Apg3  
**Synonyms:** APG3; APG3-LIKE; APG3L; PC3-96  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_022488.3  
 CGGGTGTGATGCGAGTCGGTGGCAGCGAGGACATTTTCTGACTCCCTGGCCCTGACAC  
 GGCTGCACATTTCCATCCCGTCGCGGGCCGCGCCGCTACTCCGGCCCAGGATGCAGAATG  
 TGATTAATACTGTGAAGGAAAGGCACTGGAAGTGGCTGAGTACCTGACCCCGGTCTCA  
 AGGAATCAAAGTTTAAGGAAACAGGTGTAATTACCCAGAAAGAGTTTGTGGCAGCTGGAG  
 ATCACCTAGTCCACCACTGTCCAACATGGCAATGGGCTACAGGGGAAGAATTGAAAGTGA  
 AGGCATACCTACCAACAGGCAACAATTTTTGGTAACCAAAAATGTGCCGTGCTATAAGC  
 GGTGCAAACAGATGGAATATTCAGATGAATTGGAAGCTATCATTGAAGAAGATGATGGTG  
 ATGGCGGATGGGTAGATACATATCACAAACAGGTATTACAGGAATAACGGAAGCCGTTA  
 AAGAGATCACACTGAAAATAAGGACAATATAAGGCTTCAAGATTGCTCAGCACTATGTG  
 AAGAGGAAGAAGATGAAGATGAAGGAGAAGCTGCAGATATGGAAGAATATGAAGAGAGTG  
 GATTGTTGAAAACAGATGAGGCTACCCTAGATACAAGGAAAATAGTAGAAGCTTGTAAAG  
 CCAAACTGATGCTGGCGGTGAAGATGCTATTTTGCAAACAGAACTTATGACCTTTACA  
 TCCTTATGATAAATATTACCAGACTCCACGATTATGGTTGTTTGGCTATGATGAGCAAC  
 GGCAGCCTTTAACAGTTGAGCACATGTATGAAGACATCAGTCAGGATCATGTGAAGAAAA  
 CAGTGACCATTGAAAATCACCCCTCATCTGCCACCACCTCCCATGTGTTTCAGTTCACCCAT  
 GCAGGCATGCTGAGGTGATGAAGAAAATCATTGAGACTGTTGCAGAAGGAGGGGAGAAC  
 TTGGAGTTCATATGTATCTTCTTATTTTCTTGAATTTGTACAAGCTGTCATTCCAACAA  
 TAGAATATGACTACACAAGACACTTACAATGTAATGAAGAGAGCATAAAAATCTATCCTA  
 ATTATTGTTCTGATTTTTAAAGAATTAACCCATAGATGTGACCATTGACCATATTCATC  
 AATATATACAGTTTCTCTAATAAGGGACTTATATGTTTATGCATTAATAAAAAATATGTT  
 CCACTACCAGCCTTACTTGTTTAAATAAAAAATCAGTGCAAAGAAAAAAAAAAAAAAAAAAAA  
 AA  
 AA

**Restriction Sites:** Please inquire



[View online »](#)

<b>ACCN:</b>	NM_022488
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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>	<a href="#">NM_022488.3</a> , <a href="#">NP_071933.2</a>
<b>RefSeq Size:</b>	1372 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	64422
<b>UniProt ID:</b>	<a href="#">Q9NT62</a>
<b>Cytogenetics:</b>	3q13.2
<b>Domains:</b>	Autophagy_N, Autophagy_C
<b>Protein Pathways:</b>	Regulation of autophagy
<b>Gene Summary:</b>	<p>This gene encodes a ubiquitin-like-conjugating enzyme and is a component of ubiquitination-like systems involved in autophagy, the process of degradation, turnover and recycling of cytoplasmic constituents in eukaryotic cells. This protein is known to play a role in regulation of autophagy during cell death. A pseudogene of this gene is located on chromosome 20. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (1).</p>