

Product datasheet for **SC319429**

ATG101 (NM_021934) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ATG101
Synonyms:	C12orf44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021934.3 GGGAGAGTGGTGGCATCTGAGAGGCTGGTCGTGGACTGTGGTTGGGGGAGGTGGGAGCTG
TTTTAACCGTGTGCCCCCTCTCCTGTGCCGGCGTGGGCATCCCCGGGGCAGTGGAAACGC
GGGCGCTCCTCCAGCTTCCGAGTCCAGCCAGCCTGGGCGCGGGGCGCCGCCCCGAGACA
CCCCGAGGAGTCCGTTCCCTCCCTGGTTACGTGGACTGTGGAGCTGGTCTCTTGTGGCTCAG
CGCCGTGCGGAGGTTGAAGCGTACCTGCGGAGGTGCGACAGGGCGTGAGGAGGAGGAGG
AAGGGCATGAGCCGAGCTTGAGGAATCCGTGCTCCAACTCTACACTCAAGGGTGGCCCT
TGGGTAGGGTGAAGATCCCTGTCTTTATCCTAGTTCACACCTTGGTGTGGGTTACTGG
GTGCAGGATGAACTGTCGCTCGGAGGTGCTGGAGGTGTCGGTGGAGGGGCGGCAGGTGGA
GGAGGCCATGCTGGCTGTGCTGCACACGGTGTCTGACCCGAGCAGCAGGCAAGTTCCA
CTACAAGAAGGAGGGCACCTACTCCATTGGCACCCTGGGCACCCAGGATGTTGACTGTGA
CTTCATCGACTTCACTTATGTGCGTGTCTCTTCTGAGGAACTGGATCGTCCCTGCGCAA
GGTTGTTGGGAGTTCAAGGATGCACTGCGCAACTCTGGTGGCGATGGGCTGGGCGAGAT
GTCCTTGGAGTTCTACCAGAAGAAGTCTGCTGGCCATTCTCAGACGAGTGCATCCC
ATGGGAAGTGTGGACGGTCAAGGTGCATGTGGTAGCCCTGGCCACGGAGCAGGAGCGGCA
GATCTGCCGGGAGAAGGTGGGTGAGAACTCTGCGAGAAGATCATCAACATCGTGGAGGT
GATGAATCGCATGAGTACTTGCCCAAGATGCCACACAGTCGGAGGTGGATAACGTGTT
TGACACAGGCTTGCGGGACGTGCAGCCCTACCTGTACAAGATCTCCTTCCAGATCACTGA
TGCCCTGGGCACCTCAGTCACCACCACCATGCGCAGGCTCATCAAAGACACCCCTTGCCCT
CTGAGCGTCGCTGGATCTCTGGGAGCTCCTTGATGGCTCCAGACCTTGGCTTTTGGGAA
TTGCACTTTTGGGCTTGGGCTCTGGAACCTGCTCTGGGTGATTGGTGAGACTTGAAG
GGGCAGCCCCCGTGGCTTCTGGTTTTGTGGTTGCCAGCCTCAGGTGATCCTTTTAATC
TTTGCTGACGGTTCACTCCTGCCTCTACTGTCTCTCCATAGCCCTGGTGGGTTCCCTTT
CTTTCTCCACTGTACAGAAGAGCCACCACTGGGATGGGGAATAAAGTTGAGAACATGAGT
TTGGGCTGAAA
AAA

Restriction Sites: Please inquire



ACCN:	NM_021934
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_021934.3</u> , <u>NP_068753.2</u>
RefSeq Size:	1468 bp
RefSeq ORF:	657 bp
Locus ID:	60673
UniProt ID:	<u>Q9BSB4</u>
Cytogenetics:	12q13.13
Gene Summary:	Autophagy factor required for autophagosome formation. Stabilizes ATG13, protecting it from proteasomal degradation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.