

## Product datasheet for **SC320530**

### ATL3 (NM\_015459) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATL3 (NM_015459) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATL3
Synonyms:	HSN1F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_015459.3  
 GCTTCGCGCACACGCGGCAGGCGGTGGCGGGATTCTGCCGCGTGCGCTTTCCCGCCCCGC  
 CTCGCCTAGCCTCGTCTCGCTCGCCACGCCTCGGGCTGTCGTTGGGCCACGCAGACC  
 GCGCTGCGCTCGTCCGTCGCGGCTCCGCGTGCCCCACCTTCTGGCTAGTTTTTTCTAGA  
 GCCCAGGCTCCGCCCCTTCCCGCTTCCAGGGCCCGGTTGTTCCCGCCCGCACCCGTC  
 CTCTCTCTGCACCCCTGCTGCTTCTGCTTTGAAGGCGGAGGCTCCATGTTGTCCCCTCA  
 GCGAGTGGCAGCAGCTGCCTCAAGAGGAGCAGATGATGCCATGGAGAGCAGCAAGCCTGG  
 TCCAGTGCAGTTGTTTTGGTTTCAGAAAGATCAACATTCCTTTGAGCTAGATGAGAAAGC  
 CTTGGCCAGCATCCTCTTGCAGGACCACATCCGAGATCTTGATGTGGTGGTGGTTTCAGT  
 GGCTGGTGCCTTCCGAAAGGGCAAGTCCTTCACTTGGATTTTATGCTACGATACTTATA  
 TTCTCAGAAGGAAAGTGGCCATTCAAATGGTTGGGTGACCCAGAAGAACCCTAACAGG  
 ATTTTCTGGAGAGGGGATCTGATCCAGAAACCACTGGGATTCAAATCTGGAGTGAAGT  
 TTTCACTGTGGAGAAGCCAGGTGGGAAGAAGTTGCAGTTGTTCTGATGGATACCCAGGG  
 GGCATTTGACAGCCAGTCAACTGTGAAAGACTGTGCTACCATCTTTGCTCTAAGCACTAT  
 GACTAGTTCTGTTCAAGTTTATAATTTATCTCAGAACATTCAGAAGATGATCTTCAACA  
 GCTGCAGCTCTTACAGAATACGGTCTGCTGGCAATGGATGAAATTTCCAAAAGCCTTT  
 CCAGACACTGATGTTTTGGTTAGAGATTGGAGTTTCCCTTATGAATATAGCTATGGACT  
 CCAAGGAGGAATGGCATTTTGGATAAGCGTTTACAGGTGAAGGAACATCAACATGAAGA  
 AATTCAGAATGTTCAAAATCACATTCACATCATGTTTCTCCGATGTCACCTGCTTTCTCT  
 ACCACATCCAGGACTCCAGGTGGCCACAAGCCCTGACTTTGATGGGAAATTAAGAATAT  
 TGCTGGTGAATCAAAGAGCAGTTACAGGCACTGATACCGTATGTATTAACCCATCTAA  
 GTTAATGGAAAAGGAGATCAATGGCTCAAAGGTCACCTGTCGGGGACTACTGGAGTATTT  
 TAAGCATATATTAATTTTATCAAGGAGAAGATCTGCCTCACCCCAAGTCCATGCTTCA  
 GGCCACTGCTGAAGCCAACAACCTTAGCAGCTGCAGCCTCTGCCAAGGACATTTATTATAA  
 CAACATGGAAGAGGTTTGTGGGGAGAGAAACCTTATTTGCTCCAGACATTCTAGAGGA  
 GAAGCACTGTGAATCAAACAACCTGCTCTGGACCATTTAAGAAGACCAAGAAGATGGG  
 TGGGAAGGATTTCAAGCTTTCGTTACCAGCAGGAGCTGGAGGAGGAAATCAAGGAATTATA  
 TGAGAATTCTGCAAGCACAATGGTAGCAAGAACGTCTTCAGCACCTCCGAACCCCTGC  
 AGTGCTGTTACGGGCATTGTAGCTTTGTACATAGCCTCAGGCCCTCACTGGCTTCATAGG  
 TCTTGAGGTTGTAGCCCAGTTGTTCAACTGTATGGTTGGACTACTGTTAATAGCACTCT  
 CACCTGGGGCTACATCAGGTATTCTGGTCAATATCGTGAGCTGGGCGGAGCTATTGATTT  
 TGGTGCCCATATGTGTTGGAGCAGGCTTCTTCTCATATCGGTAATTCACCTCAGGCCAC  
 TGTGAGGGATGCAGTTGTTGGAAGACCATCCATGGATAAAAAAGCTCAATAGCATCTTAA  
 CGTGAAGATCAAACAAGAACACAACAAGCCCTACTGATTTCTGGGTTTCTGCCACGGCC  
 ACAGGTTCATATCCAGAGGAATGGCAGATCTGAGACGATCCAGGAAGAGCTAAAACATGG  
 CCTGTAATAAATGAGCAGACCTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_015459

**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.

**RefSeq:** [NM\\_015459.3](#), [NP\\_056274.3](#)

**RefSeq Size:** 2256 bp

**RefSeq ORF:** 1626 bp

**Locus ID:** 25923

**UniProt ID:** [Q6DD88](#)

**Cytogenetics:** 11q13.1

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a member of a family of dynamin-like, integral membrane GTPases. The encoded protein is required for the proper formation of the network of interconnected tubules of the endoplasmic reticulum. Mutations in this gene may be associated with hereditary sensory neuropathy type IF. Alternatively spliced transcript variants that encode distinct isoforms have been described. [provided by RefSeq, Feb 2014]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.