

Product datasheet for **SC107044**

ATL3 (NM_015459) Human Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | ATL3 (NM_015459) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ATL3 |
| Synonyms: | HSN1F |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL6</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene ORF within SC107044 sequence for NM_015459 edited (data generated by NextGen Sequencing)

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ATGTTGTCCTCAGCGAGTGGCAGCAGCTGCCTCAAGAGGAGCAGATGATGCCATGGAG
AGCAGCAAGCCTGGTCCAGTGCAGGTTGTTTTGGTTCAGAAAGATCAACATTCCTTTGAG
CTAGATGAGAAAGCCTTGCCAGCATCCTTGCAGGACCACATCCGAGATCTTGATGTG
GTGGTGGTTTCAGTGGCTGGTGCCTCCGAAAGGGCAAGTCTTCATTCTGGATTTATG
TACGATACTTATATTCTCAGAAGGAAAGTGCCATTCAAATGGTTGGGTGACCCAGAA
GAACCGTTAACAGGATTTTCTGGAGAGGGGATCTGATCCAGAAACACTGGGATTCAA
ATCTGGAGTGAAGTTTTCACTGTGGAGAAGCCAGGTGGGAAGAAGTTGCAGTTGTTCTG
ATGGATACCCAGGGGCATTTGACAGCCAGTCAACTGTGAAAGACTGTGTACCATCTTT
GCTCTAAGCACTATGACTAGTTCTGTTCCAGATTATAATTTATCTCAGAACATTCAGAA
GATGATCTTCAACAGCTGCAGCTCTTACAGAATACGGTCTGTTGGCAATGGATGAAAT
TTCCAAAAGCCTTTCCAGACACTGATGTTTTTGGTTAGAGATTGGAGTTTCCCTATGAA
TATAGCTATGGACTCCAAGGAGGAATGGCATTGTTGGATAAGCGTTTACAGGTGAAGGAA
CATCAACATGAAGAAATTCAGAATGTTTCAAAATCACATTCATCATGTTTCTCCGATGTC
ACCTGCTTCTCTTACCACATCCAGGACTCCAGGTGGCCACAAGCCTGACTTTGATGGG
AAATTAAGATATTGCTGGTGAATTCAGAGCAGTTACAGGCACTGATACCGTATGTA
TTAAACCCATCTAAGTTAATGAAAAGGAGATCAATGGCTCAAAGGTCACCTGTCCGGGA
CTACTGGAGTATTTAAGGCATATATTAATTAATCAAGGAGAAGATCTGCCTCACCC
AAGTCCATGCTTCAGGCCACTGCTGAAGCCAACAACCTAGCAGCTGCAGCCTCTGCCAAG
GACATTTATTATAACAACATGGAAGAGGTTTGTGGGGAGAGAAACCTTATTTGTCTCCA
GACATTTAGAGGAGAAGCACTGTGAATCAAACAACCTGCTCTGGACCATTTAAGAAG
ACCAAGAAAGTGGTGGGAAGGATTTTCAGCTTTTGTACCAGCAGGAGCTGGAGGAGAA
ATCAAGGAATTATGAGAACTTCTGCAAGCACAAATGGTAGCAAGAACGCTTTCAGACC
TTCCGAACCCCTGCAGTCTGTTACGGGCATTGTAGCTTTGTACATAGCCTCAGGCCTC
ACTGGCTTCATAGGTCTTGAGGTTGTAGCCAGTTGTTCAACTGTATGGTTGGACTACTG
TTAATAGCACTCCTCACCTGGGGCTACATCAGGATTCTGGTCAATATCGTGAGCTGGGC
GGAGCTATTGATTTTGGTCCGCATATGTGTTGGAGCAGGCTTCTCTCATATCGGTAAT
TCCACTCAGGCCACTGTGAGGGATGCAGTTGTTGGAAGACCATCCATGGATAAAAAAGCT
CAATAG
    
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Clone variation with respect to NM_015459.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_015459 unedited

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CCCCATATCCCCGCCCCTGTCGCAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATA
TAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGG
CCGCGAATTCGGCAGGAGGCCCGCCCGCACCCTCCTCTGCACCCCTGCTGCTT
CTGCTTTGAAGGCGGAGGCTCCATGTTGTCCCCTCAGCGAGTGGCAGCAGCTGCCTCAAG
AGGAGCAGATGATGCCATGGAGAGCAGCAAGCCTGGTCCAGTGCAGGTTGTTTTGGTTCA
GAAAGATCAACATTCCTTTGAGCTAGATGAGAAAGCCTTGCCAGCATCCTCTTGCAAGGA
CCACATCCGAGATCTTGATGTGGTGGTGGTTTTCAGTGGCTGGTGCCTCCGAAAGGGCAA
GTCCTTCACTGGATTTATGCTACGATACTTATATTCTCAGAAGGAAAGTGGCCATTC
AAATTGGTTGGGTGACCCAGAAGAACCCTAACAGGATTTTCTGGAGAGGGGGATCTGA
TCCAGAAACCACTGGGATCAAATCTGGAGTGAAGTTTTCACTGTGGAGAAGCCAGGTGG
GAAGAAGGTTGCAGTTGTTCTGATGGATACCCAGGGGGCATTGACAGCCAGTCAACTGT
GAAAGACTGTGCTACCATCTTGTCTAAGCACTATGACTACGTTCTGTTTCAGAGTTATA
ATTTATCTCAGAACATTCAGAGAATGATCTTCAACAGCTGCAGCTCTTCCAGAATACTG
TCGCTGGCAATGGATGAAATTTTCCAAAAGCCTTTCCAACTGATGTTTTTGGTTAAG
AATTGGAGTTTCCCTTATGAATATAGCTATGGACTTCAGNAGAAGTGGCATTNTTGCAT
CAGCGTTTACAGGTGAAGGACATCTACATGCGACGTTT
    
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Restriction Sites: NotI-NotI

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|------------------------|---|
| ACCN: | NM_015459 |
| Insert Size: | 4100 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). |
| 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: | <ol style="list-style-type: none">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: | <p>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]</p> <p>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.</p> |