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Product datasheet for SC101595

ATL3 (AK090822) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATL3 (AK090822) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATL3
Synonyms:	HSN1F
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF: >NCBI ORF sequence for AK090822, the custom clone sequence may differ by one or more nucleotides

AACACCTTCAGAGTCATGCCTTGTTTTATTTTATTTTATTTTTTGAGACAGAGGTCTCGCTCTGTCGCCC
AGGTTGGAGTGCAGTGGTGCAATCTCGCTCACTGCAACCTCCACCTCCCAGGTTCAAGCGATTCTCCTGT
CTCAGCTTCCTGAGTAGCTGGGACTACAGGTGTACACCACCACGCCTGGCTAATTTTTGTTTTTTTACTA
GAGGTGGGGTTTTGCCATGTTGGCCAGGCTGGTCTCAAACTCCTGACCTCAGGTGATCCACTCCCCCCAG
CCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCCCGCCCAGCTGAGTCATGCCTTATTTTCGTAGTA
TACCAAGAAATGTTCTATGGAAGTTTACGTTTTAACACCTCTTTTATACTTGGTAAAATTGCCTGTGTTT
CGCTTTATTCCTTTTTTTTTTTTTGAGACGGACTCTTGTACTGTCACCCAGGCTGAAGTGCAGTGGCGCAA
TCTTGGCTCACTACAACCTCCGCCTCCTGGGTTCAAGTGATTCTTTTGCCTCAGCCTCCCAAGTAGCAGG
GATTACAGGCATGTGCCACCACACCCGGCTTATTTTTGTATTTTTAGTAGAGACAGGGCTTCGCCATGTT
GACCAGGCTGGTCTCAACTCCTCTGGGAATCCGCCTGTCTTGGCCTTCCAGGGTGCTGGGATTACAGGCG
TGAGCCACTGGAACCTGGCCTTGTTTTGCTTTATTTTTTCTCTTACATGAAGTAAAGCGCTTTGGTCAAA
CACACAAAAATACTGCCTTGTACTGGTGGTTGGTTTCATTAGTGGATCACACACAGTGTTCTACTTGGCT
TGTAAAATGGTGCCTTGGATAGGGTGAGTTTGGATAAGTATGTATGTATGTATGAGTTATAGCAAAATTA
AGTAGATTGAATCAAGTCCATGCAAAAGCAATAAAACAGTTTTAATTTTTTAATTTTTTTAAAAATTAAA
ACTTTAATAAAACAGTTTTTAATTTTTTGCTAGGTTCTTTTAAAAATGATGTAACTTACATGGAAGTCTT
CACAGGACTTTTTTTCTTTCCTGGAACTATTGAAATGTAATTTAGGATGATTTGATCTTCCATCTCAAGT
TGTCAACATGGCTGTGTCATTCTGGCTTACATATGTTTTATTTAACAAAATTCTAGTCAAGGGATAAGGG
CATAATGAAGACAAGCTTCAGTTATGAAAGTACAAACTATTTGTGTGATTAATTTTTAAAAATGACATTA
AGAAGCCCATTGTAAAATAATATTTGCAGTCAAATGGTTTTTCTTGCTGTAAGTCCTGTTGTAGCTATGT
TTAGGGTAGTGGTTCTCATCTACCTTGGAGTGCATAAGACTTACCTAGCAGGCTTGTTTAAAAAGTTCAG
ATTCCTAGCTTTGTACCCAGGGATTGCCTCAGGTGGTATGGGCTGTGGTCCTGGAGTCATCACTTTTATA
AATAGTGGTTCAGAGACCACAGAGAGAGACTGCTTCATCGAATGGGAAGTACCAAGGAGAAAGTACAATT
CAGTATTGTCTGGAGGCAAGTGGACACTTTGTACCTGAGGTTTAGAATAGGTGGTCTCTTGCCAGTACAA
TCCCCAGGCGTTTTCTGTGTTCAGAAGTAGTAAGAATGCCTTTAATTCAGAGGATTATCTAAGCTCTTTA
AAGCTGTTTTTCTCCATTGTCATAGTGCCTTCTCTGAAAAATGAATGTACAGGTATCCTATTTTCTAATG
TAATTAGGATTTTTTTAAAAGCAATTTTTGATAGTTTTTCTTTTAAAAAGTAAAATTCAGCACTGTGACT
TGAACCCCCAAATCTTTCACATACAGGTGAAACATTAAGCCACAAATAAAAATAATGAACAAGAAAGAAG
ACAAGATCCTAATTCCTGTCATTAGTGACCTAAGTACCCCATATCAGAAACTTTGCAAAACAGATCTAGG
GACAGAAGGGCTTTGAAAGACATTTTTCTTTGGGGCAAATTTCGTGTGCCAGAACTACAGTTTAAATGTT
TTTATGAGCAAGGGAAGGTAGCATTGATTCCCATAGCTTTCTAATTAGATACATGCTGTCATGGATGTAA
GCCTTAAAGGAGTTAATACTAATCTTGTACATACACAAATTTTCCTCAGGTTTTTTTATTTTAAAAAATG
ATTTGTTAAAAGTACTGTCTGCTAGACCCTTGCCTTTGAGTGGCTTTGAAACTTAATATAGTTTTTAAAA
AGTGCAATGGGATGAGATTATGCTATTAGTATATTAAAAGCATGTTTCTGTTTTACTCCAATTTGTAAGA
TCATTTAATGGAATAAAGATCACAACACC

5' Read Nucleotide Sequence:

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>OriGene 5' read for AK090822 unedited
GGATTTTGTAATACGACTCACTCATAGGGCGGCCGCGATTCGGCACGAGGGGCTCATAGA
TAAAATGAGACAAACTACTATGTATGATAAAACACCTTCAGAGTCATGCCTTGTTTTATT
TTATTTTATTTTTTGAGACAGAGGTCTCGCTCTGTCGCCCAGGTTGGAGTGCAGTGGTGC
AATCTCGCTCACTGCAACCTCCACCTCCCAGGTTCAAGCGATTCTCCTGTCTCAGCTTCC
TGAGTAGCTGGGACTACAGGTGTACACCACCACGCCTGGCTAATTTTTGTTTTTTTACTA
GAGGTGGGGTTTTGCCATGTTGGCCAGGCTGGTCTCAAACTCCTGACCTCAGGTGATCCA
CTCCCCCCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCCCGCCCAGCTGAGT
CATGCCTTATTTTCGTAGTATACCAAGAAATGTTCTATGGAAGTTTACGTTTTAACACCT
CTTTTATACTTGGTAAAATTGCCTGTGTTTCGCTTTATTCCTTTTTTTTTTTTGAGACGG
ACTCTTGTACTGTCACCCAGGCTGAAGTGCAGTGGCGCAATCTTGGCTCACTACAACCTC
CGCCTCCTGAGTTCAAGTGATTCTTTTGCCTCAGCCTCCCAAGTAGCAGGGATTACAGGC
ATGTGCCACCACACCCGGCTTATTTTTGTATTTTTAGTAGAGACAGGGCTTCGCCATGTT
GACCAGGCTGGTCTCAACTCCTCTGGGAATCCGCCTGTCTTGGCCTTCCAGGGTGCTGGG
ATTACAGGCGTGAGCCACTGGGACCTGGNCCTGNTTTGCTTATTTTTTCTCTTACTGAAG
TAAGCGCTTTGGTCAAACACACAAATACTGCCTGTACTGGAGGGTGGTTTCATATGG
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Restriction Sites: NotI-NotI

ACCN: AK090822

Insert Size: 2500 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:
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: AK090822.1

RefSeq Size: 2339 bp

RefSeq ORF: 2339 bp

Locus ID: 25923

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]