

Product datasheet for **RG238708**

ATL3 (NM_001290048) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATL3 (NM_001290048) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ATL3
Synonyms:	HSN1F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238708 representing NM_001290048.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGAGCAGCAAGCCTGGTCCAGTGCAGGTTGTTTTGGTTTCAGAAAGATCAACATTCCTTTGAGCTA
GATGAGAAAGCCTTGGCCAGCATCCTCTTGACGAGACCACATCCGAGATCTTGATGTGGTGGTGGTTTCA
GTGGCTGGTGCCTTCCGAAAGGGCAAGTCTTCTGATTATGCTACGATACTTATATTCTCAG
AAGGAAAGTGGCCATTCAAATTTGGTTGGGTGACCCAGAAGAACCCTTAACAGGATTTTCTGGAGAGGG
GGATCTGATCCAGAAACCACTGGGATCAAATCTGGAGTGAAGTTTTCACTGTGGAGAAGCCAGGTGGG
AAGAAGTTGCAGTTGTTCTGATGGATACCCAGGGGGCATTGACAGCCAGTCAACTGTAAAGACTGT
GCTACCATCTTTGCTCTAAGCACTATGACTAGTTCTGTTTCAAGTTTATAATTTATCTCAGAACATTCAA
GAAGATGATCTTCAACAGCTGCAGCTCTTACAGAATACGGTCGTCTGGCAATGGATGAAATTTTCCAA
AAGCCTTCCAGACACTGATGTTTTGGTTAGAGATTGGAGTTCCCTTATGAATATAGCTATGGACTC
CAAGGAGGAATGGCATTGTTTGGATAAGCGTTTACAGGTGAAGGAACATCAACATGAAGAAATTCAGAA
GTTTCAAAATCACATTCATGTTTCTCCGATGTCACCTGCTTTCTTACCACATCCAGGACTCCAG
GTGGCCACAAGCCCTGACTTTGATGGGAAATAAAAGATATTGCTGGTGAATTCAAAGAGCAGTTACAG
GCACTGATACCGTATGTATTAACCCATCTAAGTTAATGGAAAAGGAGATCAATGGCTCAAAGGTCACC
TGTCGGGGACTACTGGAGATTTTAAGGCATATATTAATTTTCAAGGAGAAGATCTGCCTCACCCC
AAGTCCATGCTTCAGGCCACTGCTGAAGCCAACAACCTAGCAGCTGCAGCCTCTGCCAAGGACATTTAT
TATAACAACATGGAAGAGGTTTGTGGGGGAGAGAAACCTATTTGTCTCCAGACATTCTAGAGGAGAAG
CACTGTGAATTCAAACAACCTGCTCTGGACATTTAAGAAGACCAAGAAGATGGGTGGGAAGGATTTT
AGCTTTCTGTTACCAGCAGGAGCTGGAGGAGGAAATCAAGGAATTATATGAGAATCTGCAAGCACAA
GGTAGCAAGAACGTCTTACGACCTTCCGAACCCCTGCAGTGTGTTACGGGCATTGTAGCTTTGTAC
ATAGCCTCAGGCCTCACTGGCTTCATAGGTTCTGAGTTGTAGCCAGTTGTTCAACTGTATGGTTGGA
CTACTGTTAATAGCACTCCTCACCTGGGGCTACATCAGGTATTCTGGTCAATATCGTGAGCTGGGCGGA
GCTATTGATTTTGGTCCGCATATGTGTTGGAGCAGGCTTCTTCTCATATCGGTAATTCCTCAGGCC
ACTGTGAGGGATGCAGTTGTTGGAAGACCATCCATGGATAAAAAAGCTCAA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238708
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MESSKPGPVQVVLVQKDQHSFELDEKALASILLQDHIRDLVVVVSVAGAFRKGKSFILDFMLRYLSQ
KESGHSNWLGDPEEPLTGF SWRGGSDPETTGIQIWSEVFTVEKPGGKKVAVVLMQTQGFADSQSTVKDC
ATIFALSTMTSSVQIYNLSQNIQEDDLQQLQLFTEYGRLAMDEIFQKPFQTLMFLVRDWSFPYEYSYGL
QGGMAFLDKRLQVKEHQHEEIQNVRNHIHSCFSDVTCFLLPHPGLQVATSPDFDGKLDIAGEFKEQLQ
ALIPYVLPNSKLMKEKINGSKVTCRGLLEFYKAYIKIYQGEDLPHPKSMLQATAEANNLAAAASAKDIY
YNNMEEVCGGEKPYLSPDILEEKHCFKQLALDHFKTKKMGKDFSFYQQELEEIKELYENFCKHN
GSKNVFSTFRTPAVLFTGIVALYIASLGTGFIGLEVVAQLFNCMVGLLLIALLTWGYIRYSGQYRELGG
AIDFGAAYVLEQASSHIGNSTQATVRDAVVGRPSMDKKAQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001290048

ORF Size: 1569 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001290048.2](#)

RefSeq Size: 7156 bp

RefSeq ORF: 1572 bp

Locus ID: 25923

UniProt ID: [Q6DD88](#)

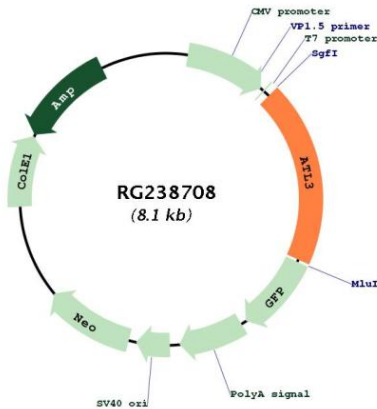
Cytogenetics: 11q13.1

Protein Families: Transmembrane

MW: 59.2 kDa

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 1F. Alternatively spliced transcript variants that encode distinct isoforms have been described. [provided by RefSeq, Feb 2014]

Product images:


Circular map for RG238708