

## Product datasheet for **SC337158**

### Axotrophin (MARCH7) (NM\_001282807) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Axotrophin (MARCH7) (NM_001282807) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCHF7
Synonyms:	AXO; AXOT; MARCH-VII; MARCH7; RNF177
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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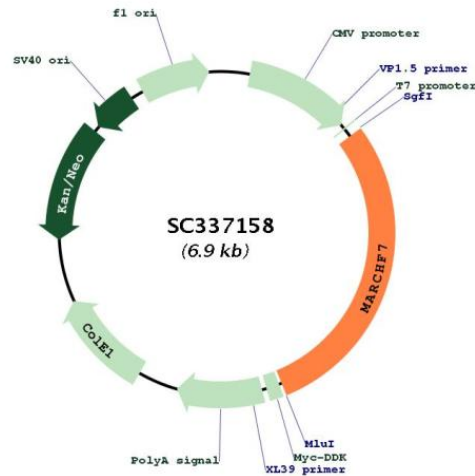
**Fully Sequenced ORF:** >SC337158 representing NM\_001282807.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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TTTCAATCTGCATGGTATAGTGAATCTGAGATAACTCAGGGAGCACGCTCAAGATCGCAGAACCAGCAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001282807

**Insert Size:** 2001 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:** [NM\\_001282807.1](#)

**RefSeq Size:** 3411 bp

**RefSeq ORF:** 2001 bp

**Locus ID:** 64844

**UniProt ID:** [Q9H992](#)

**Cytogenetics:** 2q24.2

**MW:** 73.8 kDa

**Gene Summary:**

MARCH7 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH proteins add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments (Bartee et al., 2004 [PubMed 14722266]).[supplied by OMIM, Mar 2010]

Transcript Variant: This variant (4) contains alternate 5' exon structure and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.