

Product datasheet for **SC112413**

Axotrophin (MARCH7) (NM_022826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Axotrophin (MARCH7) (NM_022826) Human Untagged Clone
Tag:	Tag Free
Symbol:	Axotrophin
Synonyms:	AXO; AXOT; MARCH-VII; MARCH7; RNF177
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112413 sequence for NM_022826 edited (data generated by NextGen Sequencing)

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ATGGAGTCTAAACCTTCAAGGATTCCAAGAAGAATTTCTGTTCAACCTTCCAGCTCCTTA
AGTGCTAGGATGATGTCTGGAAGCAGAGGAAGTAGTTTAAATGATACCTATCACTCAAGA
GACTCTTCATTTAGATTGGATTCTGAATATCAGTCTACATCAGCATCAGCATCTGCGTCA
CCATTTCAATCTGCATGGTATAGTGAATCTGAGATAACTCAGGGAGCACGCTCAAGATCG
CAGAACCAGCAACGGGATCATGATTCAAAAAGACCTAAACTTTCCCTGTACAAAACGTACT
ACCTCAGCTGGGAGAAATGTTGGAAATGGTTTAAACACATTATCAGATTATCTGGAGG
CATAGTCAAGTTCCTAGATCTTCAATCAATGGTACTTGGATCATTGGAACAGACTTAATG
AGAGAGAGGAGAGATTTGGAGAGAAGAACAGATTCCTCTATTAGTAATCTTATGGATTAT
AGTCACCGAAGTGGTGATTTCAAACTTCAATCATATGTTCAAGACAGAGTTCCTTCATAT
TCACAAGGAGCAAGACAAAAGAAAACCAATGAGCACTTTACAGTTGAATACATCATCC
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TTAGAGGACTCAGAAGAAGAAGAAGGTGACTTATGTAGAATTTGTCAAATGGCAGCTGCA
TCATCATCTAATTTGCTGATAGAGCCATGCAAGTGCACAGGAAGTTTGCAGTATGTCCAC
CAAGACTGTATGAAAAAGTGGTTACAGGCCAAAATTAACCTCTGGTTCTTCATTAGAGCT
GTAACCACCTGTGAACATGTAAAGAGAAGTTGGAGCTTAACCTGGAGGATTTTGATATT
CATGAACTACATAGAGCTCATGCAAATGAACAAGCTGAGTATGAGTTTATCAGCTCTGGT
CTCTACCTAGTGGTGTTATTGCACTTGTGCGAACAAAGCTTTTCTGATATGATGGGAAAT
ACAAATGAACCAAGCACACGTGTCCGATTTATTAACCTTGCAAGAACTCTTCAGGCACAT
ATGGAAGATCTCGAAACTTCAGAGGATGATTCCGAAGAAGACGGAGACCATAACAGGACA
TTTGATATTGCCTAA

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Clone variation with respect to NM_022826.2

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022826 unedited</p> <pre>TTGTAATACGACTCACTATAGGGCGGCCGCGACTTCGGCACGAGGGCGGGCGCCATTGTG CTTCGCTGCCGACTGCATTTCTCAGTCACGGGCTAGAACTCCAAGGAGAAAGGCGGCG GTGCGTGTGCTGCGAGTGGGACGCGCACTGGTCGGTGCCGGCTCAGGAGCCGGGAAAAA TCTTTAAGAAATGGAGTCTAAACCTTCAAGGATTCCAAGAAGAATTTCTGTTCAACCTTCC AGCTCCTTAAGTGCTAGGATGATGTCTGGAAGCAGAGGAAGTAGTTTAAATGATACCTAT CACTCAAGAGACTCTTCATTTAGATTGGATTCTGAATATCAGTCTACATCAGCATCAGCA TCTGCGTCACCATTTCAATCTGCATGGTATAGTGAATCTGAGATAACTCAGGGAGCACGC TCAAGAATCGCAGAACCAGCAACGGGATCATGATTCAAAAAGACCTAAACTTTCTGTAC AAACTGTACTACCTCAGCTGGGAGAAATGTTGAAATGGTTTAAACACATTATCAGATTC ATCTTGGAGGCATAGTCAAGTTCCTAGATCTTCATAATGGTACTTGGNATCATTGGAAC AGACTTAATGAGAGAGAGGAGAGATTTGGAGAGAGAACAGATTCTCTATTAGTAATCTT ATGGATTATAGTCACCGAAGTGGTGATTTCAAACTTCATCATATGTTCCAGAACAGNAG TCCTTCATATTCACAGGGGAGCAGACAAAAGAACTCATTGAGCACTTTACAGNTGATAC ATCATCCACAAAACACCATTGGCTTCTGACATCAGACATACCTAAGTCTAGGGGACTC AGAAATCTTTTAGAACAAATTTTCTCAGAGATCAAATCTTCCGAGCATACCAGNCTG GATTTT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022826 unedited</p> <pre>GCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAATAAATCAGTGTGACTTT ATTTTGAGCCAATGTTTTACATAAGACCAACAACTAAGTGTGGGCAAAGTTCATCA CTTTTGAGAAATTACATGGTTCCTATTTAGGTTTGAAAAAGTAGTTTGTGCCATAACAT CAGACCTTAAGGTGTTTTAAAGTGATCCTAAGGGTACTGACAGAAGAAAATACAGTGT TATGGAAGTATACACAACCTCATGACCACACAGTATAGATCCATTCATGGTGAATAATGTT CATCTGTTCTCCAAAGGTAGTGAATAATTAAGTCATCAAATAAATGCTCAGAATTACC AAGGAACAGTTAAAAAGGACCAGGATCCAAACAGGTTATTTATATATTTATCTATAAACA AGTGACAACACTAAAAACACATTGAAAACAGTGTTTTAACTCTGAATGTGGGATTTA AAAATATCCATTAACCTGAGATTGCAATAATTTTTTTAAACCAATAGCATTGACTGG CAAGTCTCATATAATTTACAGCTGTAATTTCTAAAAGGAATATCTACATACTATAGCC TATCAAATATAACTGTCATTTTGCAAATCAATACAAAAATCTATCCATCATTATACAT TTATATTTATATACTTTTTTAAAAATTAGATTTTATTGCTAGGTGAATTTGGAATTCAAAT TAAATTTGAAACTTAATAATGCTCTTCTCATAACCTTCTCCCATTCCTTTTTTAAATTT TTTAACTGGNAGCAAATGATTATCAAATGAGACTGGCACTTAAGGCATTTTAAAGAA AAATAATTANGTGCATATAGCATTTTATTTCAAAGTATATTTGTCCCACTTTTCTCACT AGCAAGATAAAACACAAACCTTTNTTCTANTATGACTACNGTATCCTACACAAAAGGGT GATAGGCTTGCTAATATTAACAGGGTATACTTCCCTCACTAAGGAAA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022826
Insert Size:	3330 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_022826.2](#), [NP_073737.1](#)

RefSeq Size: 3484 bp

RefSeq ORF: 2115 bp

Locus ID: 64844

UniProt ID: [Q9H992](#)

Cytogenetics: 2q24.2

Domains: RING

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 (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode isoform a.