

Product datasheet for **RC239360**

Axotrophin (MARCH7) (NM_001282805) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Axotrophin (MARCH7) (NM_001282805) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Axotrophin
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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ORF Nucleotide
Sequence:

>RC239360 representing NM_001282805
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCTAAACCTTCAAGATTCCAAGAAGAATTTCTGTTCAACCTTCCAGCTCCTTAAGTGCTAGGA
TGATGTCTGGAAGCAGAGGAAGTAGTTTAAATGATACCTATCACTCAAGAGACTTTCATTTAGATTGGA
TCTGAATATCAGTCTACATCAGCATCAGCATCTGCGTCAACATTTCAATCTGCATGGTATAGTGAATCT
GAGATAACTCAGGGAGCACGCTCAAGATCGCAGAACCAGCAACGGGATCATGATTCAAAAAGACCTAAAC
TTTCTGTACAACTGTACTACCTCAGCTGGGAGAAATGTTGAAATGGTTTAAACACATTATCAGATTC
ATCTTGGAGGCATAGTCAAGTTCCTAGATCTTCATCAATGGTACTTGGATCATTGGAACAGACTTAATG
AGAGAGAGGAGAGATTTGGAGAGAAGAACAGATTCCTCTATTAGTAATCTTATGGATTATAGTACCAGAA
GTGGTGATTTCAACTTCATCATATGTTCAAGACAGAGTTCCTTCATATTCACAAGGAGCAAGACCAAA
AGAAAACCAATGAGCACTTTACAGTTGAATACATCATCCACAAACCACCAATTGCCTTCTGAACATCAG
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CCCGAAGCAATACGCAGCCTGGATTTTCTTACAGTTCAAGTAGAGATGAAGCCCCAATCATAAGCAATTC
AGAAAAGGTTGTTTCATCTCAAAGACCATTTCAAGAATCTTCTGACAATGAAGGTAGGCGGACAACGAGG
AGATTGCTGTCACGCATAGCTTCTAGCATGTACTACTTTTTTTTACGAAAGATCTAGTACAGGATTCCT
TGAATACAAGATCATTGAATTTCTGAAAATTTCTACGTTTCTCAAAGAATCTTGACAGCTTACAGTCCCG
TAGTAATGTACCATCAGCTTCTGAAGTCCCGATAATAGGGCATCTGAAGCTTCTCAGGGATTTGATTT
CTTAGCGAAGATGGGGTTTGTCTCTCTTAGCCACAATCATAGCTCTGAGTCTGAGTCTGAGAAATTTTA
ACCAAGAATCTGAAGGTAGAAAATACAGGACCATGGTTATCTTCCACTAGAAAATAGATGCACACTTTT
GTTCTCTAGAAGGAGGCGAGAGGGAAGAGATGAATCTTCAAGGATACCTACCTCTGATACATCATCTAGA
TCTCATATTTTTAGAAAGAGAATCAAATGAAGTGGTTCACCTTGAAGCACAGAATGATCCTCTTGGAGCTG
CTGCCAACAGACCACAAGCATCTGCAGCATCAAGCAGTCCACAACAGGTGGCTCTACATCAGATTCGGC
TCAAGGTGGAAGAAATACAGGAATATCAGGGATTCCTCTGGTTCCTTATCCGGTTTGCAGTCCCTCCA
GCCTTGGGAGTAATTTGACCGACAATGTCATGATCACAGTAGATATTTCCTTACAGTTGGAATTCAG
CTGATGGTAAAAGTGATAAACTAAAAGTGCCTTCAAGAGATCCAGAAAGATTGCAGAAAATAAAGA
GAGCCTCCTTTAGAGGACTCAGAAGAAGAAGGTGACTTATGTAGAATTTGCAAAATGCAGCTGCA
TCATCATCTAATTTGCTGATAGAGCCATGCAAGTGCACAGGAAGTTTGCAGTATGTCACCAAGACTGTA
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CAAGCTGAGTATGAGTTTATCAGCTCTGGTCTCTACCTAGTGGTGTATTGCACTTGTGCGAAACAAAGCT
TTTCTGATATGATGGGAAATACAAATGAACCAAGCACAGTGTCCGATTTATTAACCTTGAAGAAGCTCT
TCAGGCACATATGGAAGATCTCGAACTTCAGAGGATGATTCGAAGAAGACGGAGACCATAACAGGACA
TTTGATATTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239360 representing NM_001282805
Red=Cloning site Green=Tags(s)

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MESKPSRIPRRIISVQPSSSL SARMMSGSRGSSLNDTYHSRDSSFRLDSEYQST SASASAPFQSAWYSES
EITQGARSRSQNRDHDHDKRPKL SCTNCTTSAGRNVGNLNTLSDSSWRHSQVPRSSSMVLGSFGTDLM
RERRDLERRTDSSISNLMDYSHRSGDFTTSSYVQDRVPSYSQGARPKE MSMTLQLNTSSTNHQLPSEHQ
TILSSRDSRNSLRNFSRESESSRSNTQPGFSYSSSRDEAPII SNSERVVSSQRPFQESSDNEGRRTTR
RLLSRIASSMSSTFFSRRSSQDSLNT RSLNSENSYVSPRILTASQSRSNVPSASEVDPNRASEASQGRFR
LRRRWGLSSL SHNHSESDSENFNQESEGRNTGPWLS SSSLRNRCTPLFSRRRREGREDESSRIPTSDTSSR
SHIFRRESNEVVHLEAQN DPLGAAANRPQASAASSATTGGSTSDSAQGG RNTGISGILPGSLFRFAVPP
ALGNSLTDNVMITVDIIPSGWNSADGKSDKTKSAPSRDPERLQKIKESL LLEDSEEEEGDLCRICQMAAA
SSSNLLIEPCKCTGSLQYVHQDCMKKWLQAKINSGSSLEAVTTCELC KEKLELNLEDFDIHELHRAHANE
QAEYEFISSGLYL VVLLHLCEQFS DMMGNTNEPSTRVRFINLARTLQA HMEDELTSEDDSEEDGDHNRT
FDIA
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6804_h11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001282805

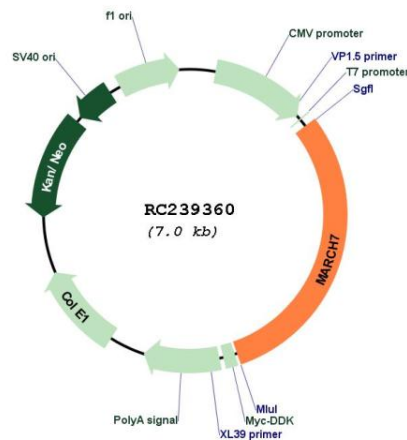
ORF Size: 2112 bp

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).
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:	<u>NM_001282805.2</u>
RefSeq Size:	3664 bp
RefSeq ORF:	2115 bp
Locus ID:	64844
UniProt ID:	<u>Q9H992</u>
Cytogenetics:	2q24.2
MW:	78.1 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]

Product images:



Circular map for RC239360