

## Product datasheet for **RG239360**

### 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:                      | TurboGFP  |
| Symbol:                   | Axotrophin  |
| Synonyms:                 | AXO; AXOT; MARCH-VII; MARCH7; RNF177                      |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                    |



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**ORF Nucleotide Sequence:**

>RG239360 representing NM\_001282805.  
 Blue=ORF Red=Cloning site Green=Tag(s)

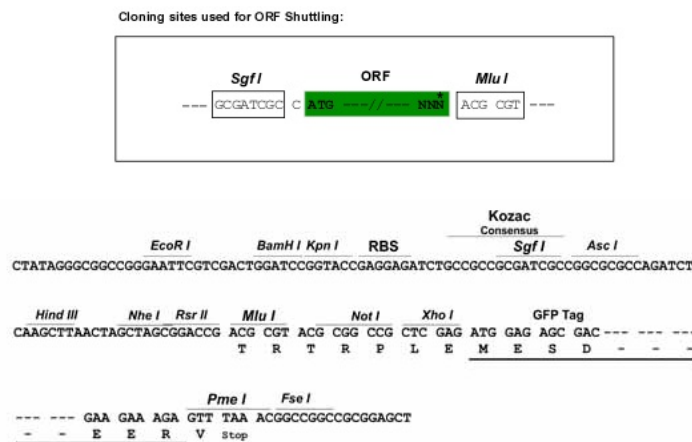
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GATTCGAAATACAGTCTACATCAGCATCAGCATCTGCGTCACCATTTCAATCTGCATGGTATAGTGAA
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AGACAAAAGAAACTCAATGAGCACTTACAGTTGAATACATCATCCACAAACCACCAATTGCCTTCT
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GCTTCACAGTCCCGTAGTAATGTACCATCAGCTTCTGAAGTTCGGATAATAGGGCATCTGAAGCTTCT
CAGGGATTTGATTTCTTAGCGAAGATGGGGTTGTCTCTTAGCCACAATCATAGCTCTGAGTCA
GATTCAGAAAATTTAACCAAGAATCTGAAGGTAGAAATACAGGACCATGGTTATCTTCTCACTTAGA
AATAGATGCACACCTTTGTTCTCTAGAAGGAGGCGAGAGGAAGAGATGAATCTCAAGGATACCTACC
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GTCCGATTTATTAACCTTGAAGAATCTTTCAGGCACATATGGAAGATCTCGAAACTTCAGAGGATGAT
TCCGAAGAAGACGGAGACCATAACAGGACATTTGATATTGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239360  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MESKPSRIPRRIISVQPSSSLSARMMSGSRGSSLNDTYHSRDSSFRLDSEYQSTASASASPFQSAWYSE
SEITQGARSRSQNRDHDHDKRPKLSCTNCTTSAGRNVGNLNTLSDSSWRHSQVPRSSSMVLGSFGTD
LMRERRDLERRTDSSISNLMYSHRSGDFTTSSYVQDRVPSYSGARPKEISMSTLQLNTSSTNHQLPS
EHQTILSSRDSRNSLRSNFSSRESESSRNTQPGFYSSSSRDEAPIISNSERVVSSQRPFQESSDNEGR
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QGFRFLRRRWGLSSLSHNHSSESDSENFNQSEGRNTGPWLSSSLRNRCTPLFSRRRREGREDESSRIPT
SDTSSRSHIFRRESNEVVHLEAQNNDPLGAAANRPQASAASSATTGGSTSDSAQGGRRNTGISGILPGSL
FRFAVPPALGSNLTDNVMITVDIIPSGWNSADGKSDKTKSAPSRDPERLQKIKESLLLEDSEEEGDLCL
RICQMAAASSNLLIEPCKCTGSLQYVHQDCMKKWLQAKINSGSLEAVTTCELCKEKLELNLEDFDIH
ELHRAHANEQAEYEFISSGLYL VLLHLCEQSFSDMMGNTNEPSTRVRFINLARTLQAHMEDLETSEDD
SEEDGDHNRTFDIA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEL
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



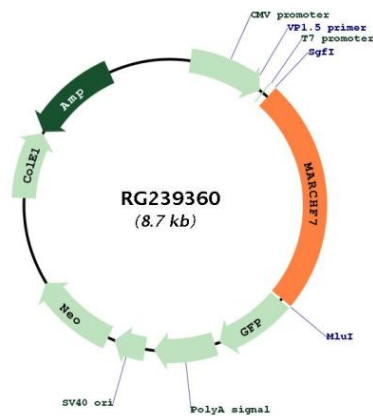
**ACCN:** NM\_001282805

**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.

|                      |  |
|----------------------|--|
| <b>Components:</b>   | 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).   |
| <b>RefSeq:</b>       | <a href="#">NM_001282805.2</a>   |
| <b>RefSeq Size:</b>  | 3664 bp  |
| <b>RefSeq ORF:</b>   | 2115 bp  |
| <b>Locus ID:</b>     | 64844  |
| <b>UniProt ID:</b>   | <a href="#">Q9H992</a>   |
| <b>Cytogenetics:</b> | 2q24.2   |
| <b>MW:</b>           | 78.1 kDa   |
| <b>Gene Summary:</b> | 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 RG239360