

Product datasheet for **RG209045**

Axotrophin (MARCH7) (NM_022826) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Axotrophin (MARCH7) (NM_022826) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG209045 representing NM_022826
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTCTAAACCTTCAAGGATCCAAGAAGAATTTCTGTTCAACCTTCCAGCTCCTTAAGTGCTAGGA
 TGATGTCTGGAAGCAGAGGAAGTAGTTTAAATGATACCTATCACTCAAGAGACTTTCATTTAGATTGGA
 TTCTGAATATCAGTCTACATCAGCATCAGCATCTGCGTCAACATTTCAATCTGCATGGTATAGTGAATCT
 GAGATAACTCAGGGAGCACGCTCAAGATCGCAGAACCAGCAACGGGATCATGATTCAAAAAGACCTAAAC
 TTTCTGTACAACTGTACTACCTCAGCTGGGAGAAATGTTGAAATGGTTTAAACACATTATCAGATTC
 ATCTTGGAGGCATAGTCAAGTTCCTAGATCTTCATCAATGGTACTTGGATCATTGGAACAGACTTAATG
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 GTGGTGATTTACAACCTCATCATATGTTCAAGACAGAGTTCCTTCATATTCACAAGGAGCAAGACCAAA
 AGAAAACCTCAATGAGCACTTTACAGTTGAATACATCATCCACAAACCACCAATTGCCTTCTGAACATCAG
 ACCATACTAAGTTCAGGGATCCAGAAATTTCTTAAAGATCAAATTTTTCTTCAAGAGAATCAGAAATCTT
 CCCGAAGCAATACGCAGCCTGGATTTTCTTACAGTTCAAGTAGAGATGAAGCCCCAATCATAAGCAATTC
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 TCATCATCTAATTTGCTGATAGAGCCATGCAAGTGCACAGGAAGTTTGCAGTATGTCACCAAGACTGTA
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 TTTCTGATATGATGGGAAATACAAATGAACCAAGCACAGTGTCCGATTTATTAACCTTGAAGAAGCTCT
 TCAGGCACATATGGAAGATCTCGAACTTCAGAGGATGATTCCGAAGAAGACGGAGACCATAACAGGACA
 TTTGATATTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209045 representing NM_022826
 Red=Cloning site Green=Tags(s)

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MESKPSRIPRRIISVQPSSSL SARMMSGSRGSSLNDTYHSRDSSFRLDSEYQSTASASASPFQSAWYSES
EITQGARSRSQNQRDHDHDKRPKLSCTNCTTSAGRNVGNLNTLSDSSWRHSQVPRSSSMVLGSGFGDLM
RERRDLERRTDSSISNLMDYSHRSGDFTTSSYVQDRVPSYSQGARPKE MSMTLQLNTSSTNHQLPSEHQ
TILSSRDSRNSLRNFSRESESSRSNTQPGFSYSSSRDEAPIISNSERVVSSQRPFQESSDNEGRRTTR
RLLSRIASSMSSTFFSRRSSQDSLNRSLNSEN SYVSPRILTASQSRSNVPSASEVPDNRASEASQGRFR
LRRRWGLSSL SHNHSSESDENFNQESEGRNTGPWLSSSLRNRCTPLFSRRRREGREDESSRIPSTDTSSR
SHIFRRESNEVHLEAQNDPLGAAANRPQASAASSATTGGSTSDSAQGGRRNTGISGILPGSLFRFAVPP
ALGNSLTDNVMITVDIIPSGWNSADGKSDKTKSAPSRDPERLQKIKESLLEDSEEEEGDLCRICQMAAA
SSSNLLIEPCKCTGSLQYVHQDCMKKWLQAKINSGSSLEAVTTCELCCKELELNLEDFDIHELHRAHANE
QAEYEFISSGLYL VVLLHLCEQSFSDMMGNTNEPSTRVRFINLARTLQAHMEDLETSEDDSEEDGDHNR
FDIA
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022826

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:

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

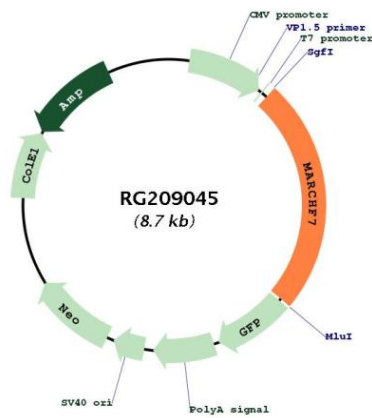
UniProt ID: [Q9H992](#)

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]

Product images:



Circular map for RG209045