

Product datasheet for **RG219915**

SAMD11 (NM_152486) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMD11 (NM_152486) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAMD11
Synonyms:	MRS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG219915 representing NM_152486
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAAGGGGATCCTGCAGGTGCATCCTCCGATCTGCGACTGCCCGGGCTGCCGAATATCCTCCCCGG
 TGAACCGGGGGCGCTGGCAGACAAGAGGACAGTCGCCCTGCCTGCCGCCGGAACCTGAAGAAGGAGCG
 AACTCCCAGCTTCTCTGCCAGCGATGGTGACAGCGACGGAGTGCCCCACCTGTGGGCGCGGCCAGGC
 TTGAAGCAGGAGGATGGTCCGCACATCCGTATCATGAAGAGAAGAGTCCACACCCACTGGGACGTGAACA
 TCTCTTTCCGAGAGGCGTCTGCAGCCAGGACGGCAACCTTCCCACCCTCATATCCAGCGTCCACCAGCAG
 CCGCCACCTCGTTATGCCCGAGCATCAGAGCGCTGTGAATTCCAGAGAGGCAGCCTGGAGATTGGCCTG
 CGACCCCGCGGTGACCTGTTGGCAAGAGGCTGGGCGCTCCCCCGTATCAGCAGCGACTGCTTTTCAG
 AGAAGAGGGCACGAAGCGAATCGCCTCAAGAGGCGCTGCTGCTGCCGCGGGAGCTGGGGCCAGCATGGC
 CCCGGAGGACATTACCGCGGCTTGTGTCAGCACTGAGCGAGGCCAGCACCTTTGAGGACCCTCAGCGC
 CTCTACCACCTGGGCCTCCCCAGCCACGGTGAGGACCCACCCTGGCATGATCCCCCTCATACCTCCCCA
 GCCACGATCTCCTGAGGGTCCGGCAGGAGGTGGCGGTGCAGCTCTGAGGGGCCCAAGTGGCCTGGAAGC
 CCACCTGCCCTCCTCCACGGCAGGTGAGCGTCGGAAGCAGGGCCTGGCTCAGCACCGGGAGGGCGCCGCC
 CCAGCTGCCGCCCCGTCCTTCTCGGAGAGGGAGCTGCCTCAGCCGCCCCCTTGTGTGCGCCGAGAATG
 CCCCTCAGTCGCCCTGGGCCCCATCTCAGGCCCCCTTCTGGGGGTGCCCTCGGCTCTGTGCCAGAC
 CCCAGGCTACGGCTTCTGCCCGCCGCGCAGGCGGAGATGTTGCGCCGCGCAGGAGCTCCTGCCGAAG
 CAGAACCTGGCCGGCTGGAGCTGCCCGCCGACCTCCTGCGGCAGAAGGAGCTGGAGAGCGCGGCCAC
 AGCTGCTGGCGCCGAGACCGCCTGCGCCCCAACGACGCGCGGAGAGCTGCAGCGCGCGGGCCCT
 GCTGGTGCTGAACCACGGCGCGCGCCACTGCTGGCCCTGCCCCCAGGGGCCCGGGCTCCGGACCC
 CCCACCCCGTCCCGGACTCTGCCCGCGAGCCCCCGGAAGGGGGTCCCGGCCCTGCCTCAGCGCGGC
 CCAGCGAGTCCAAGGAGATGACGGGGGTAGGCTCTGGGCACAAGATGGCTCGGAAGACGAGCCCCCAA
 AGACTCGGACGGAGAGGACCCCGAGACGGCAGCTGTTGGGTGCAGGGGGCCCACTCCGGGCCAAGCTCCA
 GCTGGAGGGGCCGCGCCGAGGGGAAGGGGCTTTCCAGGGTCCCACTGCCCTGGGCTTCCCTTATG
 CCGTCAGCCCCTACTTCCACACAGGCGCGGTAGGGGACTCTCCATGGATGGGAGGAGGCCAGCCCC
 TGAGGACGTACCAAGTGGACCGTGGATGACGTCTGCAGCTTCGTGGGGGCCTGTCTGGCTGTGGAGAG
 TAACTCGGGTCTTCAAGGAGCAGGGGATCGACGGGAGACCCTGCCACTGCTGACGGAGGAGCACCTGC
 TGACCAACATGGGGCTGAAGCTGGGGCCCGCCCTCAAGATCCGGGCCAGGTGGCCAGGCGCCTGGGCCG
 AGTTTTCTACGTGGCCAGCTTCCCCGTGGCTCTGCCACTGCAGCCACCAACCCTGCGGGCCCCGAGCGA
 GAACCTCGGCACAGGAGAGCAGCCCTTGTCCCCACGACGGCCACGTCCCCTATGGAGGGGGCCAGCCCC
 TTGCCGCTCAAACTTACCCAAGCAGGAGAATGGGACCTTGGCTCTACTTCCAGGGGCCCGACCTTC
 CCAGCCTCTGTGT

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG219915 representing NM_152486
Red=Cloning site Green=Tags(s)

MSKGILQVHPPICDCPGCRISSPVNRGLADKRTVALPAARNLKKERTPSFSASDGDSDGSGPTCGRRPG
LKQEDGPHIRIMKRRVTHWDVNISFREASCSQDGNLPTLISSVHRSRHLVMEHQSRCEFQGSLEIGL
RPAGDLLGKRLGRSPRISSDCFSEKRARSESPQEALLPRELGPSMAPEDHYRRLVSALSEASTFEDPQR
LYHLGLPSHGEDPPWHDPPHLLPSHDLRLVRQEVAAAALRGPSGLEAHLPSSTAGQRRKQGLAQHREGAA
PAAAPSFSERELQPPLLSQONAPHVALGPHLRPPFLGVPSALCQTPGYGFLPPAQAEFARQQELLRK
QNLARLELPADLLRQKELESARPQLLAPETALRPNDGAELQRRGALLVLNHGAAPLLALPPQGGPPSGP
PTPSRDSARRAPRKGGPGPASARPSESKEMTGARLWAQDGEDEPPKDSGDGPETAAVGCRGPTPGQAP
AGGAGAEGKGLFPGSTLPLGFPYAVSPYFHTGAVGGLSMDGEEAPAPEDVTKWTVDDVCSFVGGLSGCGE
YTRVFREQGIDGETLPLLTEEHLTNMGLKLGPAKIRAQVARRLGRVFYVAFSPVALPLQPPTLRAPER
ELGTGEQPLSPTTATSPYGGGHALAGQTSKQENGTLALLPGAPDPSQPLC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_152486

ORF Size: 2043 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_152486.3](#)

RefSeq Size: 2575 bp

RefSeq ORF: 2046 bp

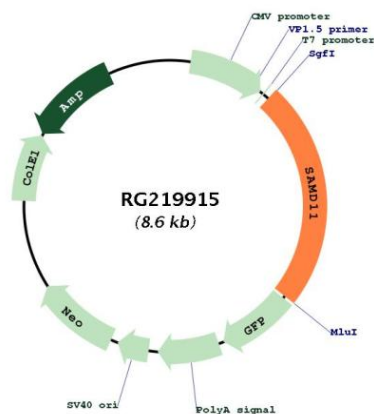
Locus ID: 148398

UniProt ID: [Q96NU1](#)

Cytogenetics: 1p36.33

Gene Summary: May play a role in photoreceptor development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219915