

Product datasheet for **RG201890**

SLC47A1 (NM_018242) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC47A1 (NM_018242) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC47A1
Synonyms:	MATE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201890 representing NM_018242
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCTCCTGAGGAGCCCGCCAGTGC GCGGAGGCCCGAGGCCACCCCTTGAGGTCGGTGGTTCGC
 GCTGCTTGCGGCTGTCCGCCTTCGAGAAGAGCTGCGGGCGCTCTTGGTCTGGCTGGCCCCGCGTTCTT
 GGTTCACTGATGGTGTCTCTGATCAGCTTCATAAGCTCCGTGTTCTGTGGCCACCTGGGCAAGCTGGAG
 CTGGATGCAGTCACGCTGGCAATCGCGTTATCAATGTCACTGGTGTCTCAGTGGGATTCGGCTTATCTT
 CTGCCTGTGACACCCCTCATCTCCAGACGTACGGGAGCCAGAACCTGAAGCACGTGGGCGTGATCTGCA
 GCGGAGTGCCTCGTCTGCTCTGCTGCTTCCCTGCTGGGCGCTCTTTCTCAACACCCAGCACATC
 CTGCTGCTCTTCAGGCAGGACCCAGATGTGTCCAGGCTTACCCAGACCTATGTACGATCTTCATTCCAG
 CTCTTCTGCAACCTTTCTTTATATGTTACAAGTTAAATATTTGCTCAACCAGGGAATTGTAAGTCCCCA
 GATCGTAACTGGAGTTGCAGCCAACTTGTCAATGCCCTCGCCAACTATCTGTTTCTCCATCAACTGCAT
 CTTGGGGTGATAGGCTCTGCACTGGCAAACCTTGATTTCCAGTACACCCTGGCTCTACTCCTCTTTCTCT
 ACATCCTCGGGAAAAAACTGCATCAAGCTACATGGGGAGGCTGGTCCCTCGAGTGCCTGCAGGACTGGGC
 CTCCTTCTCCGCTGGCCATCCCCAGCATGCTCATGCTGTGCATGGAGTGGTGGGCTATGAGGTGCGG
 AGCTTCTCAGTGGCATCCTCGGCATGGTGGAGCTGGGCGCTCAGTCCATCGTGTATGAAGTGGCCATCA
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 TCTGTACAGTCTTTCAAGCTGTGTGTTTCTAGGCTTTATTATTACAGTAAATTGAAAAAAGCCTGTCA
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 GATCCGCTTACCCAGGGTGCCTGAAACCTTGAAGGAATTTTAACGAACGATGTTGGAAGACAGGCG
 AGCCTCAGTCAGATCAGCAGATGCGCCAAGAAGAACCTTGGCGGAACATCCACAGGACGCGCTAAATT
 GTCCAGGAAACAGCTGGTGTGCGGCGAGGGCTTCTGCTCCTGGGGTCTCTTAATCTTGCTGGTGGG
 ATTTTAGTGAGATTCTATGTCAGAATTCAG

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201890 representing NM_018242
 Red=Cloning site Green=Tags(s)

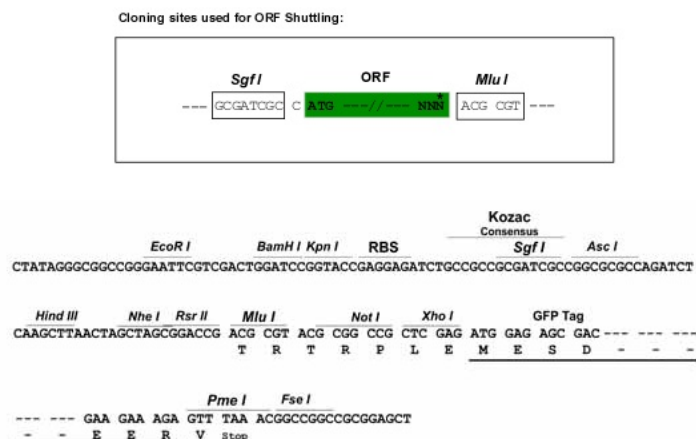
MEAPEEPAPVRGGPEATLEVRGSRCLRLSAFREELRALLVLGAPFLVQLMVFLISFISSVFCGHLGKLE
 LDAVTLAIAVINVTGVSVGFGLSSACDTLISQTYGSQNLKHVGIVLQRSALVLLCCFPCWALFLNTQHI
 LLLFRQDPDVSRLTQTYVTIFIPALPATFLYMLQVKYLLNQGIVLPQIVTGVAANLVNALANYLFLHQLH
 LGVIGSALANLISQYTLALLFLYILGKKLHQATWGGWSLECLQDWASFLRLAIPSMMLCMEWWAYEVG
 SFLSGILGMVELGAQSIYVELAIIVYMVPAGFSAASVRVGNALGAGDMEQARKSSTVSLITVLFVAVF
 SVLLLCKDHVGYIFTTDRDIINLVAQVPIYAVSHLFEALACTSGGVLRGSGNQKVGAI VNTIGYYVVG
 LPIGIALMFATTLGVMGLWSGIIICTVFQAVCFLGFIIQLNWKKACQQAQVHANLKVNNVPRSGNSALPQ
 DPLHPGCPENLEGILTNDVGKTGEPQSDQQMRQEPLPEHPQDGAKLSRKQLVLRRLLLGVFLILLVG
 ILVRFYVRIQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 018242

ORF Size: 1710 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018242.3](#)

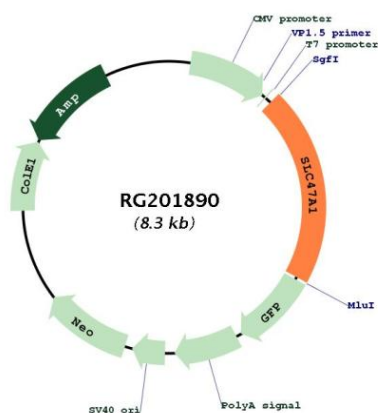
RefSeq Size: 3279 bp

RefSeq ORF: 1713 bp

Locus ID: 55244

UniProt ID: [Q96FL8](#)
Cytogenetics: 17p11.2
Protein Families: Transmembrane
Gene Summary: This gene is located within the Smith-Magenis syndrome region on chromosome 17. It encodes a protein of unknown function. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201890