

Product datasheet for **RC201890**

SLC47A1 (NM_018242) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC47A1 (NM_018242) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC47A1
Synonyms:	MATE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC201890 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAAGCTCCTGAGGAGCCCGCCAGTGC GCGGAGGCCCGAGGCCACCTTGAGGTCGGTTCGC
 GCTGCTTGCGGCTGTCCGCTTCCGAGAAGAGCTGCGGGCGCTCTGGTCTGGCTGGCCCCGCGTTCTT
 GGTTCACTGATGGTGTCTCTGATCAGCTTCATAAGCTCCGTGTTCTGTGGCCACCTGGGCAAGCTGGAG
 CTGGATGCAGTCACGCTGGCAATCGCGTTATCAATGTCAGTGGTGTCTCAGTGGGATTCGGCTTATCTT
 CTGCTGTGACACCTCATCTCCAGACGTACGGGAGCCAGAACCTGAAGCACGTGGGCGTGATCTGCA
 GCGGAGTGCCTCGTCTGCTCTGCTGCTTCCCTGCTGGGCGCTCTTCTCAACACCCAGCACATC
 CTGCTGCTCTTCAGGCAGGACCCAGATGTGTCCAGGCTTACCCAGACCTATGTCAGATCTTCATTCCAG
 CTCTTCTGCAACCTTTCTTTATATGTTACAAGTTAAATATTTGCTCAACCAGGGAATTGACTGCCCA
 GATCGTAACTGGAGTTGCAGCCAACCTTGTCATGCCCTCGCCAACCTATCTGTTTCTCCATCAACTGCAT
 CTGGGGTGATAGGCTCTGCACTGGCAAACCTTGATTTCCAGTACACCCTGGCTCTACTCTCTTTCTCT
 ACATCCTCGGGAAAAAAGTGCATCAAGCTACATGGGGAGGCTGGTCCCTCGAGTGCCTGCAGGACTGGGC
 CTCTTCTCCGCTGGCCATCCCAGCATGCTCATGCTGTGCATGGAGTGGTGGGCTATGAGTGC GG
 AGCTTCTCAGTGGCATCCTCGGCATGGTGGAGCTGGGCGCTCAGTCCATCGTGTATGAAGTGGCCATCA
 TTGTGTACATGGTCCCTGCAGGCTTCAGTGTGGCTGCCAGTGTCCGGTAGGAAACGCTCTGGGTGCTGG
 AGACATGGAGCAGGCACGAAGTCTCTACCGTTTCCCTGCTGATTACAGTGTCTTTGCTGTAGCCTTC
 AGTGTCTGCTGTTAAGCTGTAAGGATCACGTGGGGTACATTTTACTACCGACCGAGACATCATTAAATC
 TGGTGGCTCAGGTGGTTCCAATTTATGCTGTTTCCACCTCTTGAAGCTCTTGCTTGACAGAGTGGTGG
 TGTCTGAGGGGAGTGGAAATCAGAAGGTTGGAGCCATTGTGAATACCATTGGGTACTATGTGGTTGGC
 CTCCCCATCGGGATCGCGCTGATGTTTGAACCACTTGGAGTGTGGGTCTGTGGTCAAGGATCATCA
 TCTGTACAGTCTTTCAAGCTGTGTGTTTCTAGGCTTTATTATTAGCTAAATTGAAAAAAGCCTGTCA
 GCAGGCTCAGGTACACGCAATTTGAAAGTAAACAACGTGCCTCGGAGTGGGAATTCTGCTCTCCCTCAG
 GATCCGCTTACCCAGGGTGCCTGAAACCTTGAAGGAATTTAACGAACGATGTTGGAAGACAGGCG
 AGCCTCAGTCAGATCAGCAGATGCGCAAGAAGAACCTTGGCGGAACATCCACAGGACGCGCTAAATT
 GTCCAGGAAACAGCTGGTGTGCGGCGAGGGCTTCTGCTCTGGGGTCTCTTAATCTTGCTGGTGGG
 ATTTTAGTGAGATTCTATGTCAGAATTCAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201890 protein sequence
 Red=Cloning site Green=Tags(s)

MEAPEEPAPVRGGPEATLEVRGSRCLRLSAFREELRALLVLGAPFLVQLMVFLISFISVFCGHLGKLE
 LDAVTLAIAVINVTGVSVGFGLSSACDTLISQTYGSQNLKHVGIVLQRSALVLLCCFPWALFLNTQHI
 LLLFRQDPDVSRLTQTYVTIFIPALPATFLYMLQVKYLLNQGIVLPQIVTGVAANLVNALANYLFLHQLH
 LGVIGSALANLISQYTLALLFLYILGKKLHQATWGGWSLECLQDWSFLRLAIPSMMLCMEWWAYEVG
 SFLSGILGMVELGAQSIYELAIIVYMPAGFSVAASVRVGNALGAGDMEQARKSSTVSLITVLFVAVF
 SVLLLCKDHVGYIFTTDRDIINLVAQVPIYAVSHLFEALACTSGGVLRGSGNQKVGAI VNTIGYVVVG
 LPIGIALMFATTLGVMGLWSGIIICTVFQAVCF LGFIIQLNWKKACQQAQVHANLKVNNVPRSGNSALPQ
 DPLHPGCPENLEGILTNDVGKTGEPQSDQQMRQEELPEHPQDGAKLSRKQLVLRRLLLGVFLILLVG
 ILVRFYVRIQ

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk6147_g12.zip

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](#)

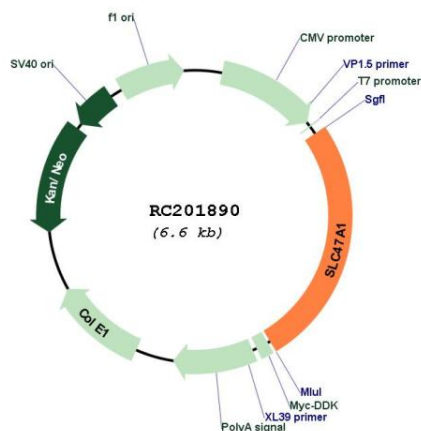
RefSeq Size: 3279 bp

RefSeq ORF: 1713 bp

Locus ID: 55244

UniProt ID:	<u>Q96FL8</u>
Cytogenetics:	17p11.2
Protein Families:	Transmembrane
MW:	61.9 kDa
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 RC201890