

Product datasheet for **RC227077**

SLC36A3 (NM_001145017) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC36A3 (NM_001145017) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC36A3
Synonyms:	PAT3; TRAMD2; tramdorin2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227077 representing NM_001145017
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATTGCTTGAAGGGACTACAACAGTGAGCTGAACTCCTTGACAACGGACCTCAGTCACCCCTCAG
 AGAGCAGCAGTAGCATTACTTCAGAGAATGTCCATCCTGCTGGAGAAGCTGGACTATCGATGATGCAAAC
 TTTGATCCACTTGTGAAATGCAACATTGGCACAGGGCTCCTGGGGCTTCCCCTGGCCATAAAGAATGCC
 GGCTTGTGGTGGTCTGTGAGCCTTCTGGCCATCGGGGTCTCACCGTGCATGGTGCATCCTGT
 TGAAGTGTGCTCAACACCTCAGCCAGAGACTGCAGAAGACTTTTGTGAAGTATGGAGAGGCCACGATGTA
 CGGCCTTGAAACCTGCCGAACACCTGGCTGAGGGCCATGCAGTGTGGGAAGATGGAATTTGGCTCTG
 TCAACCCAGGCTGGAGTGCAGTGGCAAGATCTCAGCTCACTGCAACCCACCTTCAGGGTTCAAGCAATT
 CTCCTGCCAAGCCTCCGAGTAGCTGGGATTTACAGGTACACTGTCAGCTTCTTATTAGTCATACCCCA
 GCTGGGCTTCTGCAGTGTATTTTATGTTTATGGCAGACAATTTACAACAGATGGTGGAAAAAGCCAC
 GTGACCTCCAACATCTGCCAGCCAGGGAGATTCTGACGCTGACCCCATCCTGGACATTCGTTTCTACA
 TGCTGATAATCCTGCCCTTCTGATCCTGTTGGTGTATCCAGAACCTCAAGGTGCTGTCCGTCTCTC
 GACATTGGCCAACATCACCACCTTGGGAGCATGGCTCTGATCTTTGAGTATATCATGGAGGGGATTCCA
 TATCCCAGCAACCTACCTTGATGGCAACTGGAAGACCTTCTTGCTGTTCTTTGGTACAGCCATCTTCA
 CATTTGAAGGCGTCGGTATGGTTCTGCCTCTCAAAAACAGATGAAGCATCCACAGCAGTTTTCTTTGT
 TCTGTACTTGGGATGTCCATTGTCATCATCCTCTATCTTACTGGGACACTGGGCTACATGAAGTTT
 GGGTCAGACACCCAGGCCAGCATCACCTCAACTTGCCCAATTGCTGGTGTACAGTCAGTCAAGCTGA
 TGTACTCTATCGGCATCTTCTTCACTATGCCCTCCAGTTCACGTCAGCTGAGATCATCCCGTT
 TGCCATCTCCCAAGTGTGAGAGAGCTGGGCACTGTTTGTAGACCTGTCTGTCCGCTCAGCCTTGGTCTGT
 CTAACCTGTGTCTCAGCCATCCTCATCCCCGCCTGGACTTGGTCATCTCCCTGGTAGGCTCCGTGAGCA
 GCAGCGCCTGGCTCTCATCATCCAGCCCTCCTGGAGATCGTCATCTTTTACTCTGAGGACATGAGCTG
 TGTCAACATTGCCAAGGACATCATGATTAGCATCGTGGGCCTTTTAGGGTGTATTTGGGACATACCAA
 GCCCTCTATGAGTTGCCCAACCCATCAGCCATTCCATGGCCAACTCCACAGGTGTCCATGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227077 representing NM_001145017
 Red=Cloning site Green=Tags(s)

MSLLGRDYNSELNSLDNGPQSPSESSSITSENVHPAGEAGLSMMQTLIHLLKCNIGTGLLGLPLAIKNA
 GLLVGPVSLLAIGVLTVHCMVILLNCAQHLSQRLQKTFVNYGEATMYGLETCPNTWLRAHAVWGRWNLAL
 SPRLECSGKISAHCPNHLQSSNSPAQASRVAGIYRYTVSFLLVITQLGFCSVYFMFADNLQQMVEKAH
 VTSNICQPREILTLTPILDIRFYMLIILPFLILLVFIQNLKVLVSVSTLANITTLGSMALIFEYIMEGIP
 YPSNLPPLMANWKTFLFFGTAFITFEGVGMVPLKNQMKHPQQFSFVLGLGMSIVIIYILLGTLGYMKF
 GSDTQASITLNLPCWLQSVKLMYSIGIFFTYALQFHVPAEIIIPFAISQVSESWALFVDSLVSRSALVC
 LTCVSAILIPRLDLVISLVGSVSSSALALIIPALLEIVIFYSEDMSCVTIAKDIMISIVGLLGCFGTQY
 ALYELPQPISHSMANSTGVHA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001145017

ORF Size: 1533 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_001145017.2](#)

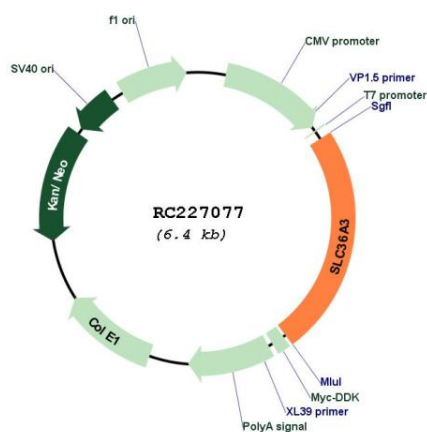
RefSeq ORF: 1536 bp

Locus ID: 285641

UniProt ID: [Q495N2](#)

Cytogenetics: 5q33.1
 Protein Families: Transmembrane
 MW: 55.9 kDa

Product images:



Circular map for RC227077