

Product datasheet for **RC238469**

SLC37A3 (NM_001287498) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC37A3 (NM_001287498) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC37A3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC238469 representing NM_001287498
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCTGGCCAAATGTTTTTCAAAGAGGGTCTCTGCTGTCCAGTTCAGCCATCATCATGTTGTAGTGT
 TCCTGCTCACTTTCTTCAGTTATTGTTGCTCCATGCTTCACGAAAAACATTTAGCAATGTCAAAGTCAG
 TATCTCTGAGCAGTGACCCCAAGTGCTTTTAACACGTCAGTTGAGCTGCCTGTGGAGATCTGGAGCAGC
 AACCATTTGTTCCCAAGTGCAGAGAAAGCGACTCTTTCTCGGCACACTGGATACCATTTTCTCTTCT
 CCTATGCTGTGGGCTATTTCATCAGTGGCATCGTTGGGGATCGGTTGAATTTGCGATGGGTTCTGTCTTT
 TGGCATGTGCTCTTCTGCATTAGTGGTGTGTTGCTTTGGTGCCTCACAGAATGGCTGCGTTTCTACAAC
 AAATGGCTGTACTGCTGCCTGTGGATTGTGAACGGCTGCTGCAGTCCACTGGTTGGCCCTGTGTGGTTG
 CTGTTATGGGCAACTGGTTTGGAAAGCCGACGAGGAGTTGTTTTGGTCTCTGGAGTGCCTGTGCTTC
 GGTGGGCAACATTTTGGAGCGTGCCTAGCTTCTTCTGTTCTTCTAGTATGTTATGAGTATGCCTTTCTG
 GTGACGGCGTCTGTGCAGTTGCTGGTGGGATCGTTATCTTCTTGGACTCCTGGTGTACCAGAAGAAA
 TTGGTCTCTCGGGTATTGAGGCAGAAGAAAACCTTTGAAGAAGACTCACACAGGCCATTAATTAATGGTGG
 TGAAAAATGAAGACGAATATGAGCCGAATTATCAATCCAAGATGATAGTTCTGTTGCCCAAGTCAAGGCG
 ATAAGCTTCTACCAGGCATGTTGCCTTCTGGAGTCATACCGTACTCACTGGCCTACGCCTGCTTGAAGT
 TAGTGAATTACTCCTTCTTCTTCTGGCTCCCTTTTATCTGAGTAACAACCTCGGCTGGAAGGAGGCGGA
 AGCCGACAAGCTGTCCATTTGGTACGACGTTGGAGGGATCATAGGTGGAACCTTGAAGGCTTCATCTCT
 GATGTACTACAGAAGAGAGCGCCGGTCTTGCCTGAGTCTGCTTCTGGCAGTTGGGTCCCTCATCGGGT
 ATAGTCGATTTTTTATTGGTGGACCTTCTAATATGATTAGTTCTGCTATTTCTCGGCACTTGGGTGCCA
 GGAGCTCATCCAAGGAGCAGTGAAGCTTTGGCCACTGTACAGGAATTGTGGATGGTTCGGGGAGCATT
 GGAGCTGCAGTGGGCCAGTATTTAGTGTCTCTGATCCGGGACAAGCTAGGATGGATGTGGGTTTTCTACT
 TTTTCATTCTCATGACAAGTTGTACAATTGTGTTATCTCGCCATTAATAGTGAGGGAAATATTCTCTCT
 CTGCTAAGGAGACAGGCTCACATATTAGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238469 representing NM_001287498
 Red=Cloning site Green=Tags(s)

MAWPNVFQRLLSQFSHHVVFLLTFFSYSLHLSRKTFSNVKVSISEQWTPSAFNSTVELPVEIWSS
 NHLFPSAEKATLFLGTLDTIFLFSYAVGLFISGIVGDRNLNRWVLSFGMCSSALVVFVFGALTEWLRFYN
 KWLYCCLWIVNGLLQSTGWPCVAVMGNWFGKAGRGVVFLWSACASVGNILGACLASSVLQYGYEYAF
 VTASVQFAGGIVIFFGLLVSPVEIGLSGIEAENFEEDSHRPLINGGENEDEYEPNYSIQDDSSVAQVKA
 ISFYQACCLPGVIPYSLAYACLKLVNYSFFWLPFYLSNFGWKEAEADKLSIWYDVGGIIGGTLQGFIS
 DVLQKRAPVLALLLLAVGSLIGYSRFFIGGPSNMISAIADLGRQELIQRSEALATVTGIVDGSISI
 GAAVGQYLVSLIRDKLGMWVFFILMTSCTIVFISPLIVREIFSLVLRQAHILRE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001287498

ORF Size: 1434 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_001287498.1](#), [NP_001274427.1](#)

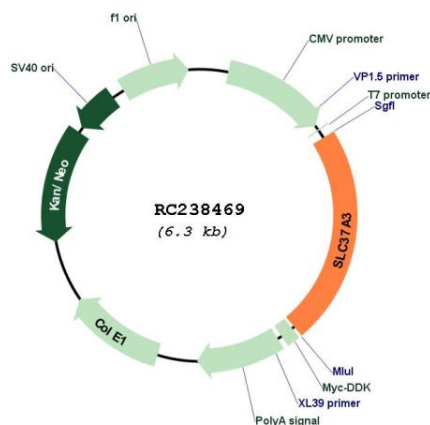
RefSeq Size: 3318 bp

RefSeq ORF: 1437 bp

Locus ID: 84255

UniProt ID: Q8NCC5
 Cytogenetics: 7q34
 Protein Families: Transmembrane
 MW: 53.3 kDa

Product images:



Circular map for RC238469