

Product datasheet for **RG215818**

SLC37A3 (NM_032295) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC37A3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215818 representing NM_032295
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTGGCCAAATGTTTTCAAAGAGGGTCTCTGCTGTCCAGTTCAGCCATCATCATGTTGTAGTGT
TCCTGCTCACTTTCTTCAGTTATTCGTTGCTCCATGCTTCACGAAAACATTTAGCAATGTCAAAGTCAG
TATCTCTGAGCAGTGGACCCCAAGTGCTTTTAACACGTCAGTTGAGCTGCCTGTGGAGATCTGGAGCAGC
AACCATTTGTTCCCAAGTGCAGAGAAAGCGACTCTTTCTCGGCACACTGGATACCATTTTCTCTTCT
CCTATGCTGTGGGCTATTATCAGTGGCATCGTTGGGGATCGGTTGAATTTGCGATGGGTTCTGTCTTT
TGGCATGTGCTCTTCTGCATTAGTGGTGTGCTTTGGTGCCTCACAGAATGGCTGCGTTTCTACAAC
AAATGGCTGTACTGCTGCCTGTGGATTGTGAACGGCCTGCTGCAGTCCACTGGTTGGCCTGTGTGGTTG
CTGTTATGGCAACTGGTTTGGGAAAGCCGACGAGGAGTTGTTTTGGTCTCTGGAGTGCCTGTGCTTC
GGTGGGCAACATTTGGGAGCGTGCCTAGCTTCTTCTGTTCTTCAGTATGGTTATGAGTATGCCTTTCTG
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TTGGTCTCTCGGTATTGAGGCAGAAAGAACTTTGAAGAAGACTCACACAGGCCATTAATTAATGGTGG
TGAAATGAAGACGAATATGAGCCGAATTATCAATCCAAGATGATAGTTCTGTTGCCAAGTCAAGGCG
ATAAGCTTCTACCAGGCATGTTGCCTTCTGGAGTCATACCGTACTCACTGGCCTACGCCTGCTTGAAGT
TAGTGAATTACTCTTCTTCTGCTGCCCTTTTATCTGAGTAACAACCTCGGCTGGAAGGAGGCGGA
AGCCGACAAGCTGTCCATTTGGTACGACGTTGGAGGGATCATAGTATTTAGTGTCTCTGATCCGGGACAA
GCTAGGATGGATGTGGGTTTTCTACTTTTCTCATTCTCATGACAAGTTGTACAATTGTGTTTATCTGCCA
TTAATAGTGAGGGAATATTCTCTCTCGTGCTAAGGAGACAGGCTCACATATTGAGGGAGTGACCGGTGC
CCGCGAGACAGAAAGAACAATGTCAGCCACATCAGGACCGCTGGGCTTCGAGTCTGCCCTAATTTGGT
TTGTCTAGGAGCTCCAGCCTGATCTTGGATTGTCAGGCGTCTCTCAACACTGCCAGCCACCTGAGATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



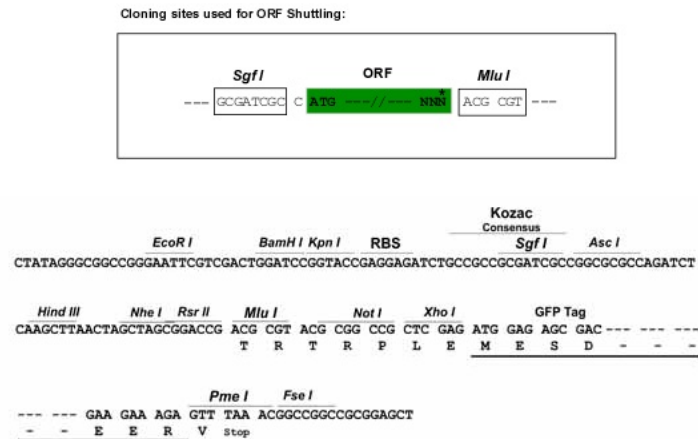
Protein Sequence: >RG215818 representing NM_032295
Red=Cloning site Green=Tags(s)

MAWPNVFQRGSLLSQFSHHVVFLLTFFSYSLHLSRKTFSNVKVSISEQWTPSAFNTSVLPVEIWSS
NHLFPSAEKATLFLGTLDTIFLFSYAVGLFISGIVGDRNLNRWVLSFGMCSSALVVFVGALTEWLRFYN
KWL YCCLWIVNGLLQSTGWPCVAVMGNWFGKAGRGVVFGVWSACASVGNILGACCLASSVLQYGYEYAF
VTASVQFAGGIVIFFGLLVSPVEIGLSGIEAENFEEDSHRPLINGGENEDEYEPNYSIQDDSSVAQVKA
ISFYQACCLPGVIPYSLAYACLKLVNYSFFFWLPFYLNNFGWKEAEADKLSIWDVGGIIVFSVSDPGQ
ARMDVGFLLFHSHDKLYNCVYLAINSEGNILSRAKETGSHIEGVTGARETERTMSATSGPLGLRVCNPLG
LSRSSSLILDCQASLNTASHLRC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032295

ORF Size: 1329 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_032295.3](#)

RefSeq Size: 3033 bp

RefSeq ORF: 1332 bp

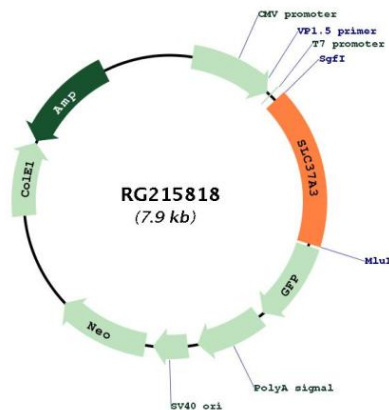
Locus ID: 84255

UniProt ID: [Q8NCC5](#)

Cytogenetics: 7q34

Protein Families: Transmembrane

Product images:



Circular map for RG215818