

Product datasheet for **RR215358**

Slc36a4 (NM_001108127) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc36a4 (NM_001108127) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc36a4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215358 representing NM_001108127
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCGCCGGCGCCGGGAGCGCGGGATGCGAGGAGCTCGATATGGACGTGATGAGGCCCTTAA
 TAAACGAACAGAATTTTCATGGGTCTCCGACGAGGAGCAGGAACAGACGCTTCTGCCCATGCAGAAACA
 CTACCAGCTCGATGGCAGCATGGGATTTCTGTTTGTGCAGACCTTGATGCACCTTCTCAAGGGGAACATT
 GGAACCGGCTCTTAGGGCTTCCCTTGGCAATAAAGAATGCAGGCATCGTCTGGACCAATCAGCCTTG
 TGTTTATAGGAATTATTTCCGTCCACTGTATGCACATATTGGTACGTTGCAGTCACTTTCTATGTCAGAG
 GTTTAAGAAGTCAACGTTGGGTACAGTGACACTGTGAGTTTGGCATGGAGGCCAGCCGTTGGAGTTGT
 CTTCAGAGGCAGGCAGCGTGGGGCGGAGCGTGGTCTGACTTCTTCTGGTGATAACAGCTGGGATTCT
 GCAGTGTCTATATTGTCTTCTTAGCTGAGAATGTGAAACAGGTTTCATGAAGGACTCCTGGAGACCACAGT
 GGTCTGTTTTCGAATAGCTCGGATCTGTCTCAAGTCTGTGAGAGGAGAAGTGTGGACCTCAGGTCTACATG
 CTCTGCTTCTCCCACTTCTAATCTCTTGGTGTTCATTGAGAGCTGAAGAGTCTCTTTGACTCTCAT
 TCCTTGCCAACATTTCCATGGCTGCCAGTCTCGTGATAATTTACCAGTATGTTGTTAGGAGCATGCCGGA
 TCCCCACAACCTTCGATAGTCGCGGGGTGGAAGAAATACCCACTGTTCTTCGGTACCGCTGTGTTTGT
 TTTGAAGGCATAGGCGTGGTCTGCCACTGGAAAACCAATGAGAGAGTCCAAGCGCTTCCCTCAGGCGT
 TGAACATTGGCATGGCCATCGTCACGGTGTGTACATCAGCCTGGCCACGTTAGGCTACATGTGTTTCCG
 AGATGAGATCAAAGGCAGCATAACACTGAATCTTCCCCAGGACATGTGGTGTATCAGTCAGTGAATC
 CTGTATTCCTTTGGCATTTTTGTGACCTATTCTATTGAGTCTATGTCCCAGCAGAGATCATTATCCCCG
 CAGTCACTGTAGACTTCATGCCAAATGGAAGTGCATCTGTGACTTTGGGATACGGTCCCTTTGGTTAG
 TATCACCTGTGCTGGCGCGGTTCTCATTCCCCCGCTGGACATTGTGATCTCCTTCTGGGGCTGTGAGT
 AGCAGCACTCTAGCCCTGATCCTGCCCCGCTTGTGGAGATCCTGACGTTTTCCAAGGACCATTACAACG
 TATGGATGGTCTGAAGAACATTTCCATAGCGTTCAGTGGGTTCTGTTGGGCTTCTTGTGGGCACGTATG
 CACCGTCGAAGAAATTTTATCCAACACAGCAGTGTGATGGCGCCTCCAGAGTCTCTCTCTGAAC
 GTGAACCTACATGTGTATCAAGTGGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215358 representing NM_001108127
 Red=Cloning site Green=Tags(s)

MEAPAPAEAAAGEELDMDVMRPLINEQNF DGSSDEEQETLLPMQKHYQLDGQHGISFVQTLMHLLKGN
 GTGLLGLPLAIKNAGIVLGPISLVFIGIISVHMHILVRCSHFLCQRFKKSTLGYSDTVSFAMEASPWSC
 LQRQAAWGRSVVDFFLVITQLGFCSVYIVFLAENVKQVHEGLETTVVVSNSSDLQVCERRSVDLRVYM
 LCFLPLLILLVFIRESLFLVLSFLANISMAASLVIIYQYVVRSMPPHNLPIVAGWKYPLFFGTAVFA
 FEGIGVVLPLENQMRSKRFPQALNIGMAIVTVLYISLATLGYMCFRDEIKGSITLNLQDMWLQYSVKI
 LYSFGIFVTSIQFYVPAEIIIPAVTARLHAKWKCICDFGIRSLLSITCAGAVLIPRLDIVISFVGA
 VSSSTLALILPPLVEILTFKSDHYNVWMLKNISIAFTGFVGFLLGTYVTVVEEIIYPTTAVADGASQSLSLN
 VNSTCVSSGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

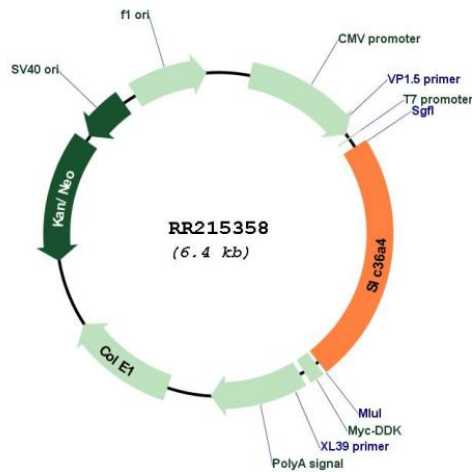
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108127

ORF Size: 1500 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.

RefSeq: [NM_001108127.1](#), [NP_001101597.1](#)

RefSeq Size: 2973 bp

RefSeq ORF: 1503 bp

Locus ID: 315439

Cytogenetics: 8q12

MW: 55.3 kDa