

Product datasheet for **RR210597**

Slc16a4 (NM_001013913) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc16a4 (NM_001013913) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc16a4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210597 representing NM_001013913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGAAGAGGGAAGAAAAGCCCTCCCCTTACACCAAACCCCTGGATGGAGGATGGGGATGGATGGTTG
 TGCTTCATTTTTCTCGTGAATGTGTTTGTGATGGGAATGACCAAGACATTTGCAATTTCTTTGTGGT
 TTTTCAAGAAGAGTTTGAAGGCATTTCAGAGCAAATTGGTTGGATTGGATCTATTATGTCATCACTCCGT
 TTTTCTGCAGGTCCCCTGGCTGCTATTATTTGTGACATATTTGGAGAAAAAACTACCTCCATTCTTGGGA
 CTTTCTTGTTTCTGGTGGCTATCTCATCAGCAGCTGGGCCACAGGCATTCCCTTTCTTTGTGTGACCAT
 GGGACTGCTACCTGGTTTGGGTCTGCTTTCTGTACCAAGTAGCTGCTGTGTAATTACCAATATTTT
 AAAAAACGATTGGGTCTTTCTACAGCAATTGCCCGTTCAGGGATGGGACTGACATTTTGTGGCACCCCT
 TTACAAAACCTCTGATAGATCTTTATGACTGGACAGGTGCTCTTATATTATTTGGAGCTATTGCATTGAA
 TCTGGTGCCTTCAGCATGCTCCTAAGACCTGTCCACATCCAATCAGACAGCAATTCTGATATTAACAAAC
 AAAGGTAGCATTTTGTCTGCAACTGGACCAGAGTTATCACACAAGACAGAAACACCAACCGCAATAAGG
 CACAAGAGTCTCTCATCAAGACAGTGCTGTGAAGAAATCTGGACAACCTACTACAACTTAACTGTCTT
 AGAAAAATCAAAATGAAGAGATTAGCACTAGGCCTCATAGGAACAGGCCGTTACTTATGAGCAATGACAAA
 ACTTACAAGAAAAAGTTTGTTCATGGAAGTCAAGAAAAAACTTCTAGATATTTCTCTCTTTAGAAATC
 CTTTCTTCTACATATTTACCTGGTCTTTTCTCTGAGTCAACTAGCATATTTTCTTCTACCTTTTCTCT
 GGTAGCCAGAGCAAAAACACTTGAATCGACATAATGGATGCCTCCTACCTTGTGTCTGTAGCTGGTATC
 ACTGAGACAGTCAGTCAGCTCATTTCTGGATGGATTGCAGATCAGAATTGGATCAAGAAGTATCAATACC
 ACAAGGCTTACCTCATCTGTGTGGTGTACTAACCTGCTTCTCTTTAGCCACCACATTCCCCTCTCT
 TATGGCCTATACCATCTTTTTTGGCATTCTTTGCTGGTGGCTACCTGGCACTAATACTGCCAGTATTGGTT
 GACCTATCTAAGAATTCTAGAGTACACAGGTTTTTGGGATATGCCAGTTTCTTTGCTGGGATGGCTGTTT
 TTTCTGGACCACCAATAGCAGGCTGGATATACGATTATACACAGACATACGTGGGCTCTTTCTATTTCTC
 TGGCACCTGCTATATCTCTCTTCAGTTTCCCTTTTTTTGTACCACTGGCTGAAAGATGGAACCTCAAG
 CAGTCTGACCTTCTAAGGACTACAATCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210597 representing NM_001013913
 Red=Cloning site Green=Tags(s)

MKKREEKPSPYTKPLDGGWGMVVLHFFLVNVFVMGMTKTFAIFFVVFQEEFEGTSEQIGWIGSIMSSLR
 FSAGPLAAIICDIFGEKTTSLGTFLVSGGYLISSWATGIPFLCVMGLLPGLGSAFLYQVAADVITKYF
 KKRLGLSTAIARSGMGLTFLAPFTKLLIDLWDWTGALILFGAIALNLVPSSMLLRPVHIQSDSNSDIKN
 KGSILSATGPELSHKTETPNRNKAQESLIKDSAVKKSGQPTTTLTVLENQIEEISTRPHNRPLMSNDK
 TYKKKFVSWNCKEKLDDISLFRNPFFYIFTWSFLLSQLAYFIPTFHLVARAKTLGIDIMDASYLVSVAGI
 TETVSQLISGWIADQNWIKKYQYHKAYLILCGVTNLLAPLATTFFLLMAYTIFFAIFAGGYLALILPVLV
 DLSKNSRVHRFLGYASFFAGMAVLSGPPIAGWIYDYTTQTYVGSFYFSGTCYILSSVSLFFVPLAERWKLK
 QSDLLRTTIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 001013913

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_001013913.1](#), [NP_001013935.1](#)

RefSeq Size: 1981 bp

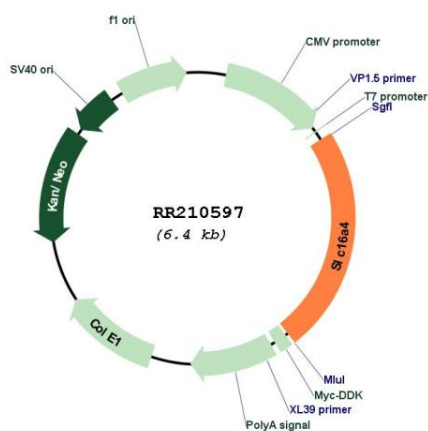
RefSeq ORF: 1503 bp

Locus ID: 295356

Cytogenetics: 2q34

MW: 55.7 kDa

Product images:



Circular map for RR210597