

Product datasheet for **RR208249**

Slc5a4 (NM_001106383) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a4 (NM_001106383) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc5a4
Synonyms:	Slc5a4a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR208249 representing NM_001106383
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGCCATGGGAACAGCACTGCCTAGACCCATGGCCAGCACAGCGAGTGTGACGACCAGCACCCGGAA
 GCTCAGAGCTGTCTTCACTGTCAGACAACATCAATAATCCTGCTGATATCTCTGTCATTGTCATCTACTT
 TGTGGTGGTGATGGCTGTTGGAGTGTGGCAATGGTGAAGACAAACCGAAGCACTGTTGGAGGATTCTTT
 CTGGCTGGTGCATCTATGACTTGGTGGCAATGGGCGCCTCTCTGTTCCGACGAAACATTGGCAGTGGTC
 ACTTCGTGGGCTGGCTGGGACAGGTGCAGCTACAGGAATCGCAGTCACAGCGTTTGAGTCACACTCATT
 TGCCTTGTGCTGGTGTGGGGTGGTTTTTTTGTCCCATTTACATCAAGGCTGGGGTGTGACCATGCCA
 GAATACCTCAGGAAGCGCTTTGGTGGCAAGAGACTGCAGATCTACCTCTCCGCTCCTCCTCCTCATT
 GCGTGATACTGACGATCTCAGCAGACATATTTTCTGGAGCCATCTTCATAAAGCTGGCTTTGGGGCTGGA
 CCTCTACCTGGCGATCTTCATCCTCTTGGCTATCACAGCCGTCTTACCATCACCGGGGGCTTGGCCTCT
 GTGATTTACACTGACACCTCCAGGCCATCATCATGTTGGTTGGATCCTTCATTCTCATGATATACGCAT
 TTGTTGAAGTCGGAGGCTACGAGAGCTTACAGAGAAGTACATGAATGCCATCCCCTCTGTGGTGGAGGG
 GGACAACCTGACGATCAGCCCCAAGTGCTACACCCCTCAGCCGGACTCCTTCCACATCTTCCGAGACGCT
 GTCACTGGAGACATCCCCTGGCCGGAACGGCATTGGAATGCCTATTACAGCGTTGTGGTACTGGTGCA
 TAAACCAAGTCATTGTACAGCGCTGCTTGTGTGGCAAGAACATGTCCACGTGAAGGCCGCTGCATCGT
 GTGTGGTACCTGAAGCTGCTGCCCATATTTCTCATGGTGTGCGGGGATGATCAGCCGCATCCTGTAC
 ACAGATATGGTAGCCTGCGTTGTGCTTCCGAGTGTGTAAGCAGTGTGGTGTGATGTTGGCTGCACAA
 ACTATGCCTACCCGATGCTGGTGTGAACTGATGCCATGGGACTGCGAGGCCTGATGCTGTCGGTCAT
 GTTGGCTTCTCATGAGCTCCCTGACCTCCATCTTCAACAGCGCCAGCACCCCTGTTACCATGGACCTC
 TACACCAAGATAAGGAAGAAGGCATCAGAGAGAGACTTCTCATAGCTGGACGGCTGTTTGTCTCCGTGC
 TAATTGTTACCAGCATCTGTGGGTCCCATCGTAGAAGTATCTCAAGGTGGACAGCTGATCCACTATAC
 AGAAGCAATTTCCAGCTACCTTGGGCCCCCATTCAGCCGTCTTCTGGTCCGATCTTCTGTAAGA
 GTCAATGAACAAGGAGCCTTCTGGGCTGATGGTTGGACTGGTGTGGTCTTATCCGATGATCGCAG
 AGTTTTCTACGGGACAGGGAGTTGCCTGGCTCCAGCAGCTGTCCCAAGGCATCTGTGGAGTACACTA
 TCTGTAATGATCCATCATCCTCTTTTCTGTCTATACTGGTTATCCTGGGAGTTTCTACTTAACAAA
 CCCATTCCGATGTGCATCTGTATCGCCTGTGCTGGAGTCTTCGGAACAGTGAGGAGGAAAGAATCGATT
 TAGATGCAGAAGACAGGGAGGAGAACGAGCCGATGCCAGGACTGAAGAAGACCAACCGGAGAAACCTCG
 TGGATGTCTCAAGAAGACTTATGACCTATGCTGTGGTTTGCAAAGAGCGGAACCCAAAGCTGACTAAAGAG
 GAGGAAGAAGCCCTGAAGAAGAAGCTGACAGACACATCCGAGAAGCCCTTCTGGCGGACGGTCGTGAACG
 TCAATGTCATTGCTCTTGGCCGTGGCGGCTTTTTTCTATGGCTATTTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208249 representing NM_001106383
Red=Cloning site Green=Tags(s)

MPAMGTALPRAMASTASVSTSTGSSELSSLSDNINNPADISVIVIVYFVVVMAVGWVAMVKTNRSTVGGFF
LAGRSMTWWPMGASL FASNIGSGHFVGLAGTGAATGIAVTA FESHFALLLVLGWFFVPIYIKAGVMTMP
EYLKRKFGGKRLQIYLSVLSFICVILTISADIFSGAIFIKLALGLDLYLAIFILLAITAVFTITGGLAS
VIYTDTLQAIIMLVGSFILMIYAFVEVGGYESFTEKYMNAIPSVVEGDNLTISPKCYTPQPDFHIFRDA
VTGDIPWPGTAFGMPITALWYWCINQVIVQRCLCGKNMSHVKAACIVCGYLKLLPIFFMVMPGMISRILY
TDMVACVVPSECVKQCGVDVGCTNYAYPMLVLKLMPMGLRGLMLSVMLASLMSLSLTSIFNSASTLFTMDL
YTKIRKKASERELLIAGRLFVSVLIVTSLWVPIVEVSQGGQLIHYTEAISSYLGPPIAAVFLVAIFCKR
VNEQGAFWGLMVGLVGLIRMIAEFSYGTGSCLAPSSCPKVICGVHYLYYAILFFVSILVILGVSYLTK
PIPDVHLYRLCWSLRNSEERIDLDAEDRENEADARTEEDQTEKPRGCLKKT YDLCCGLQRAEPKLTKE
EEEALKKKLTDTSEKPFWRTVVNVNIVLLAVAAFFYGYFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001106383

ORF Size: 2013 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_001106383.1](#), [NP_001099853.1](#)

RefSeq Size: 2079 bp

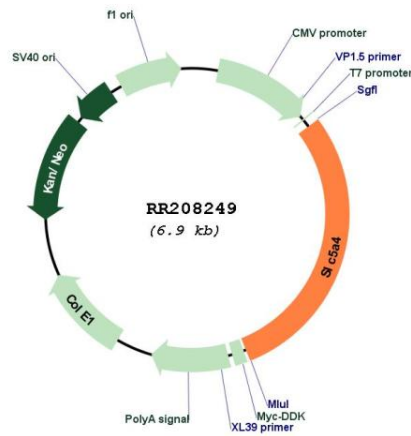
RefSeq ORF: 2016 bp

Locus ID: 294341

Cytogenetics: 20p12

MW: 73.6 kDa

Product images:



Circular map for RR208249