

Product datasheet for **RR203331**

Slc5a10 (NM_001107007) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a10 (NM_001107007) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc5a10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203331 representing NM_001107007
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGACAACCTCCACTGGGGACATCCATGCTCCAGGATCCCAGCTGAGCACCAGTGACATTATTGTCA
 TCTCTCTATATTTGCCTTGAATGTGGCGTGGGCGTATGGACGGCTTGTGGGCAACAAGAACACAGT
 GAGCGGCTACTTCTAGCAGGCCGGGACATGGCTTGGTGGCCGATTGGAGCCTCACTCTTCGCAAGCAGT
 GAGGGCTCTGGCCTTTCATAGGATTGGCAGGCTCGGGCGCCGCTGGAGGCCTGGCTGTGGCAGGCTTTG
 AGTGGAATGCCACATATGTGCTTTGGCGCTGGCATGGGTATTTGTACCCATCTACGTATCTTCAGAGAT
 TGTACCTTGCCTGAATACATTAGAAGCGCTTCGGTGGCCAGCGCATCCGCATGTACTTATCTGTCCTA
 TCACTGTTGCTGTCTGTCTTACCAAGATATCGATTGACCTGTACGCAGGAGCCCTGTTTGTCCATATCT
 GTCTGGGCTGGAACCTTCTACCTGTCCACCATCCTCACGTTGGCAATTACAGCCCTGTACACCATTGCAGG
 GGGCCTGGCCACCGTGATATACACAGATGCCCTGCAGACGGCCATCATGGTGGTGGGTGCTGTCATTCTG
 GCAGTCAAAGCTTCAACCAGATTGGTGGCTATGAGCAGCTGGAGCGGCATATGCCAGGCCACCCCGT
 CCAGGACCATCCCCAACACCACCTGCCACCTGCCTCGAGCAGACGCCATGCATATGTTCCGGGACCCCTC
 CACAGGAGACCTCCCATGGACTGGGATGACCTTCGGTCTGACCATCATGGCCACCTGGTACTGGTGCCT
 GACCAGGTTATTGTGCAGCGGTCCTGTCTGCCCGAACCTGAACCATGCCAAGGCGGGCTCCATTCTAG
 CCAGCTACCTGAAGATGCTTCCCATGGGCTGATGATCATGCCAGGCATGATCAGCCGAGTACTGTTCCC
 AGATGATGTGGGCTGTGTGTACCATCCGAGTGTCTACGAGCCTGTGGGGCTGAGATCGGCTGCTCCAAC
 ATTGCCTACCCAAAGCTGGTCATGGAGCTGATGCCGATAGGTCTTCGAGGCCTGATGATAGCCGTAATGA
 TGGCTGCACTCCTGTCTGCTCCCTGACCTCCATCTTAAACAGCAGCAGCACACTCTTACCATTGGACATCTG
 GAGGCAGTTTCGGCCCGGTGCAGGAGAGCGGAACTGCTGCTGGTGGGACGGCTGGTCATCGTGGTCTC
 GTCGGTGTGAGCGTAGCCTGGATCCCGGTCCTGCAGGGCTCCAACAGCGGTCAGCTTTTTCATCTACATGC
 AGTCAGTGACCAGCTCGCTGGCGCCCTGTCCACGCCATCTTCTCCTGGGCATCTTCTGGAGGAGGGC
 CAATGAGCAGGGGGCCTTCTGGGCTGATGGCCGGGCTGCTGGTGGGCGCCCTGAGGCTGGTCTGGAA
 TTCCTGTACCCGGAGCCCACTGCGGCCAAATAGATACCCGGCCATTCCCCTCGGAAGCATACATTATT
 TGCCTTTGCTATCGCCCTTCTTCTCACCTGTGCTGTAATGGCCGCCGGGAGCCTACTGAGCCCGCC
 CCCTCAGCAAAGACAGATTGAAAACCTCACCTGGTGGACTCTGGATCCGAACTGGTCTTAAAGAACTAAA
 ACAGGTGATGGCCAAACACCCAGAAACGTGCTTCTGGACCCGGTGTGTAATGTCAATGCCATCTTCC
 TCATGTGTGCAACATTTCTTCTATGCTTATTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203331 representing NM_001107007
 Red=Cloning site Green=Tags(s)

MADNSTGDIHAPGSQLSTSDIIVISLYFALNVAVGVWTACRANKNTVSGYFLAGRDMAWWPIGASLFASS
 EGSGLFIGLAGSGAAGGLAVAGFEWNATYVLLALAWVFPVIYVSSEIVTLPEYIQKRFGGQRIRMYLSVL
 SLLL SVFTKISIDLYAGALFVHICLGWNFYLSLITLAIITALYIAGGLATVIYTDALQTAIMVVGAVIL
 AVKAFNQIGGYEQLEAAYAQATPSRTIPNTTCHLPRADAMHFRDPSTGDLPTWGMTFGLTIMATWYWCT
 DQVIVQRSLSARNLNHAKAGSILASYLKMLPMGLMIMPGMISRVLPDDVGCVVPSECLRACGAEIGCSN
 IAYPKLVMELMPIGLRGLMIAVMAALLSSLTSIFNSSSTLFTMDIWRQFRPAGERELLLVGRLVIVVL
 VGVSVAWIPVLQGSNSGQLFIYMQSVTSSLAPPVTAIFLLGIFWRRANEQGAFWGLMAGLLVGLRRLVLE
 FLYPEPHCGQIDTRPPLGSIHYLHFAIALFLLTCAVMAAGSLLSPPPQQRQIENLTWWTLDPNWSLRK
 TGDGQTPQKRAFWRVNCVNAIFLMCVNIFFYAYFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1788 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:	<ol style="list-style-type: none">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_001107007.1 , NP_001100477.1
RefSeq Size:	1791 bp
RefSeq ORF:	1791 bp
Locus ID:	303205
Cytogenetics:	10q22
MW:	65 kDa