

Product datasheet for **RR214988**

Slc5a9 (NM_001108974) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc5a9 (NM_001108974) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc5a9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214988 representing NM_001108974
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAAGGAGCTAGCAGCAATGGAACCTGGAGCTTCAAGGGATGGACTCAGAGCTGAGACAACACACC
 AAGCCCTGGGCTCTGGAGTCAGCCTGCACACCTATGACATCGTGGTGGTGGTCATCTACTTTGTCTTTGT
 CCTTGCTGTGGGAATTTGGTCGTCATCCGCGCAAGCCGAGGGACCATTGGTGGCTATTTCTGGCTGGA
 AGATCCATGACCTGGTGGCAATTGGAGCATCTAATGTCCAGCAATGTGGCAGTGGCTATTTCATCG
 GCCTGGCTGGAACAGGGGCTGCTGGAGGCTTGTGTGGTGGCTTCGAGTGGAATGCAACTTTTCTGCT
 TCTGGCCCTGGGCTGGATCTTTGTCCCTGTGTACATCGCAGCTGGTGTGGTCACCATGCCACGTACCTG
 AAGAAACGATTTGGGGGCGAGGATCCAGGTGTACATGTCAGTCTGTCTCATACTCTACATCTTCA
 CCAAGATATCGACTGATATCTTCTCTGGAGCCCTTTCATCCAGATGGCCTTGGGCTGGAATCTCTATCT
 CTCACAGTCATCTGCTGGTGGTGGAGCTGTCTACACCATTGCAGGGGCTCACAGCTGTGATCTAC
 ACAGATGCTCTACAGACCGTGATCATGGTTGGGGGAGCCCTGGTCTCATGTTTCTGGGCTTTCGGGAGG
 TCGGCTGGTACCCAGGCTTGCAGCAGCTCTATAGACAGTCCATCCCAATGTCACAGTTCCTCAACTAC
 CTGTACCTCCCACGGTCTGATGCCTTCCACATGCTTCGAGATCTGTGAACGGGGACATCCCCTGGCCA
 GGTCTTATTTTTGGCCTCACAGTCTTGGCCACCTGGTGTGGTGCACGGACAGGTGATTGTGCAGAGGT
 CTCTCTCGGCCAAGAGTCTTTCACATGCCAAGGGAGGATCAGTGTAGGGGGCTACCTAAAGATCTCCC
 AATGTTCTTCATTGTGATGCCCGCATGATCAGCAGGGCCCTGTACCCAGATGAAGTGCCTGTGTGGAC
 CCTGACATCTGTGAGAGTGTGTGGGGCAGAGTTGGATGCTCCAATATTGCCTACCCAAACTTGTTA
 TGGCTCTCATGCCTGTGGTCTGCGAGGCTGATGATTGCCGTGATCATGGCTGCCCTCATGAGCTCACT
 CACCTCCATCTTCAACAGCAGTAGCACCCCTGTTTGCATAGATGTGTGGCAGCGAGTCCGACGGCAGCA
 TCGGAGCAAGAGCTGATGGTGGTAGGCAGTGTGTTGTAGTCTTCTGGTACTCATCAGCATCTCTGGA
 TCCCCATCATCCAGAGCTCCAATAGTGGCAGCTCTTGGACTACATCCAATCCATCACCAGCTACCTAGC
 CCCGCCATCACAGCCCTCTTCTGCTGGCCATCTTCTGCAAGAGGGTCACTGAGCCTGGTGCCTTCTGG
 GGCCTCATGTTTGGCCTGGTAGTGGGAATACTGCGTATGATTCTGGAGTTCTCATACTCAGCCCCAGCT
 GTGGGGAGAAGGACAGGCGGCCAGCTGTTCTTAAGGACTTCCACTACCTGTACTTTGCCCTCTCTCTG
 TGGACTTACCGCCATCATATTGTGATAATCAGCTTCTCACGGAGCCCATCCCCGACAAAAGGCAAGT
 TCTTGCTCGCCTGACCTGGTGGACAAGGAGCTGTCCCATATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214988 representing NM_001108974
 Red=Cloning site Green=Tags(s)

MSKELAAMEPGASRDGLRAETHQALGSGVSLHTYDIVVVVIYFVFLAVGIWSSIRASRGITGGYFLAG
 RSMTWWPIGASLMSSNVGSLF IGLAGTGAAGGLAVGGFEWNAFLLLALGWIFVPVYIAAGVVTMPQYL
 KKRFGGQRIQVYMSVLSLILYIFTKISTDIFSGALFIQMALGWNLYLSTVILLVTVAVYTIAGGLTAVIY
 TDALQTVIMVGGALVLMFLGFREVWYPLQQLYRQSI PNVTVPNTTCHLPRSDAFHMLRDPVNGDIPWP
 GLIFGLTVLATWCWCTDQVIVQRSLSAKSLSHAKGGSVLGGYKILPMFFIVMPGMSRALYPDEVACVD
 PDICQRVCGARVGSNIAYPKLMALMPVGLRGLMIAVIMAALMSSLTIFNSSLTFAIDVWQVRVRRQA
 SEQELMVVGRFLFVFLVLSILWIPPIQSSNSGQLFDYIQSITSYLAPPITALFLLAIFCKRVTEPGAFW
 GLMFGLVVGILRMILEFSYSAPACGEKDRRPAVLKDFHYLYFALLLCLTAIIIVIIISFFTEPIPDEKAS
 SCSPDLVDKELSHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1722 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_001108974.1 , NP_001102444.1
RefSeq Size:	3398 bp
RefSeq ORF:	1725 bp
Locus ID:	366441
Cytogenetics:	5q35
MW:	62.5 kDa