

Product datasheet for **RR210982**

Slc6a9 (NM_053818) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a9 (NM_053818) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc6a9
Synonyms:	GLYT-1; GLYT-1b; Glyt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR210982 representing NM_053818
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTAGGAAAAGGTGCCAAAGGGATGCTGAATGGTGCTGTGCCAGCGAGGCCACCAAGAAGGACCAGA
ACCTCACACGGGGCAACTGGGGCAACCAGATCGAGTTTGTACTGACGAGCGTGGGCTATGCCGTGGGCTT
GGGCAATGTGTGGCGTTTCCCATACCTCTGCTATCGCAACGGGGAGGCGCCTTCATGTTTCCCTACTTC
ATCATGCTGGTCTTCTGCGGCATTCTCTCTTCTCATGGAGCTCTCTTCGCGCCAGTTTGAAGCCAGG
GCTGCCTGGGGTCTGGAGGATCAGCCCCATGTTCAAAGCGTGGGCTATGGTATGATGGTGGTGTCCAC
GTACATCGGTATCTACTACAACGTGGTCATCTGCATCGCCTTCTACTACTTCTTCTCGTCCATGACGCAT
GTGCTGCCCTGGGCTTACTGCAATAATCCCTGGAACACACCTGACTGTGCCGGTGTGCTGGATGCTTCCA
ATCTACCAATGGCTCCCGGCCACTGCCCTGTCTGGCAACCTGTCTCACCTGTTCAACTACACCTTGCA
AAGGACCAGCCCAGTGAGGAGTACTGGAGGCTGTATGTGCTGAAGCTGTGGATGACATTGGAGATTTT
GGAGAAGTGGCGTTCCTCTCCTAGGCTGCCTTGGCGTCTCCTGGGTGGTGTCTTCTCTGCTCATT
GAGGAGTCAAGTCTTCAGGGAAAGTGGTGTACTTCACGGCCACATTTCCCTATGTGGTGTGACCATTCT
GTTTGTTCGTGGAGTGACCCTGGAAGGAGCCTTACGGGTATCATGTACTACCTGACCCAAAGTGGGAC
AAGATCCTGGAGGCCAAGGTGTGGGGGATGCAGCCTCTCAGATCTTCTATTCCCTGGGCTGTGCATGGG
GTGGCCTCATCACCATGGCATCTACAACAAATCCACAACAACCTGTACCGGGACAGCGTCATCATCAG
CATCACCATTGTGCTACCAGTGTCTATGCTGGCTTGTCTATCTCTATCCTAGGCTTCATGGCCAAT
CACCTGGGTGTGGATGTGTCTCGGTGGCAGACCAGGGCCCGGGCTAGCTTTCTGGCTTACCCCGAGG
CTCTCACACTGCTTCCCATCTCCCGCTCTGGTCTTGTGTTTTTCTTCATGCTCATCCTGCTGGGACT
CGGTACTCAGTTCTGCCTCCTGGAGACCCTAGTCACTGCCATTGTGGATGAGGTGGGAATGAGTGGATT
CTGCAGAAGAAGACCTACGTGACCTGGGTGTGGCTGTGGCTGGCTTCTTGTGGTATCCCTTACCA
GCCAGGCGGGCATCTACTGGCTGCTGTTGATGGACAACCTACGAGCCAGCTTCTCCTTGGTGTGCATCTC
CTGCATCATGTGCGTGTCCATCATGTATATCTATGGGCACCGAACTACTTCCAGGACATTGAGATGATG
CTGGGTTCCACCGCTCTCTTCTCCAGATCTGTTGGCGTTTTGTCTCTCCACTATCATTTTTTCA
TTCTCATTTACGGTATCCAGTACCGGCAATCACTTACAACCACTACCAGTACCCAGGCTGGGCTGT
GGCCATCGGCTTCTCATGGCTTTGTGCTGTGCATCTGCATCCCATTGTACGCATTGTTCCAGCTCTGC
CGCACAGATGGGACACACTTCTCAGCGTTTGAAAAATGCCACAAGCCAAGCAGAGACTGGGGCCCTG
CCCTCCTGGAGCACCGGACTGGGCGCTATGCCCCACTACAACCCCTCTCCTGAAGATGGGTTTGAAGT
TCAGCCACTGCACCCGGACAAGGCCAGATCCCATCGTGGGCAGTAACGGCTCCAGCCCTCCAGGAC
TCCCGGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210982 representing NM_053818
 Red=Cloning site Green=Tags(s)

MVGKGAKGMLNGAVPSEATKKDQNLTRGNWGNQIEFVLT SVGYAVGLGNVWRFPYLCYRNGGGAFMFPYF
 IMLVFCGIPLFFMEL SFGQFASQGCLGVWRISPMFKGVGYGMMVSTYIGIYYNVVICIAFYFFSSMTH
 VLPWAYCNPWNT PDCAGVLDASNL TNGSRPTALSGNL SHLFNYTLQRTSPSEEYWRLYVLKLSDDIGDF
 GEVRLPLLGLGVS WVVVFLCLIRGVKSSGKVVYFTATFPYVVL TILFVRGVTLEGAFTGIMYYLTPKWD
 KILEAKVWGDAASQIF YSLGCAWGLITMASYNKFHNNCYRDSV IISITNCATSVYAGFVIFSILGFMAN
 HLGVDVSRVADHGPGLAFVAYPEAL TLLPISPLWSLLFFML ILLGLGTQFCLETLVTAIVDEVNEWI
 LQKTTYVTLGVA VAGFLLGIPLTSQAGIYWLLMDNYAASFSLVVISIMCVSIMIYGHRYFQDIQMM
 LGFPPPLFFQICWRFVSP TIIFFILIFTVIQYRPITYNHYQYPGWAVAIGFLMALSSVICIPLYALFQLC
 RTDGD TLLQRLKNATKPSRDWGPALLEHRTGRYAP TTTSPEDGFVQPLHPDKA QIPIVGSNGSSRLQD
 SRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

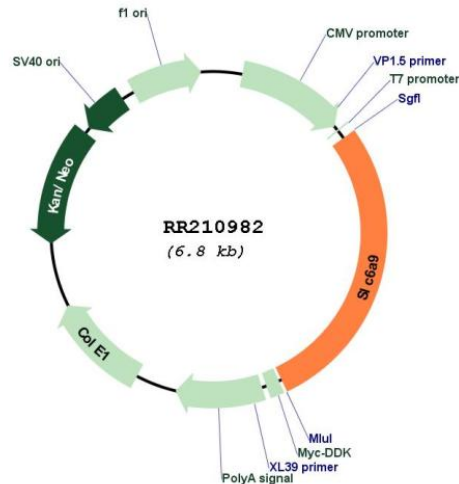
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053818

ORF Size: 1899 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_053818.2](#), [NP_446270.1](#)

RefSeq Size:	3211 bp
RefSeq ORF:	1902 bp
Locus ID:	116509
UniProt ID:	P28572
Cytogenetics:	5q36
MW:	70.6 kDa
Gene Summary:	transporter for glycine which is dependent on external Na ⁺ and Cl ⁻ and may be involved in inhibitory glycinergic transmission [RGD, Feb 2006]