

Product datasheet for **RR212161**

Slc6a5 (NM_203334) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a5 (NM_203334) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc6a5
Synonyms:	GLYT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR212161 representing NM_203334
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTGCAGTCTCCAAGGAAATGAATAAACCAACCAACATCTTGGAGGCAACGGTGCCGGGCC
 ACCGGGATAGCCCTCGAGCACCTAGGACCAGCCCTGAGCAGGATCTTCTGCGGCAGCCCCGCGGCCG
 TGTCAGCCGCCACGTGTGCCAGTTCGCTTCCACCGCGCCAACTTCCAGTCTGCGGATGCGAGA
 GCCTGTGAGGCACAGCGCCTGGAGTAGGGTTTTGTAACCTTAGCAGCCCCAGGCACAAGCGACCTCTG
 CGGCCCTCCGGGACTTAAGCGAAGGGCACAGCGCACAGGCCAATCCCCCTCCGGGGCCGCTGGGGCTGG
 CAACGCTTTACACTGCAAGATTCAGCTCTGCGTGGCCCGGAGGAGGACGAGAACGTGAGTGTGGCCAAG
 GGCACGCTGGAGCACAACAATACCCACCCGTTGGCTGGTGAATATGAGCCAGAGCACAGTGGTGTGG
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 GGATGAGAATAAGGCCAGAGGAACTGGTCCAGCAAACCTGGACTTCATCTGTCCATGGTGGGGTACGCA
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 CTTACTTGATGATGCTGGCACTGGCTGGCTTACCTATCTTCTTCCAGAGGTGTCCTGGGCCAGTTTGC
 CAGCCAGGGTCTGTGTCTGTGTGGAAGGCCATCCCAGCTCTGCAGGGCTGTGGCATTGCGATGCTCATC
 ATCTCCGTCCTCATAGCCATCTACTACAACGTCATCATCTGCTACACGCTCTTCTACCTGTTTGGTCTT
 TTGTGTCTGTGCTGCCCTGGGGATCCTGCAACAACCCGTGGAACACACCAGAATGCAAAGACAAAACAA
 ACTTTTACTAGATTCTGTGTTATCGGTGACCATCCCAAGATACAGATCAAGAACTCTACTTTCTGCATG
 ACTGCCTATCCGAACCTGACCATGGTTAACTTACCAGCCAGGCCAATAAGACATTTGTCAGCGGGAGTG
 AAGAGTACTTCAAGTACTTTGTGCTGAAGATTTCTGCAGGGATTGAATATCCTGGTGAGATCAGGTGGCC
 TTGCCGTTCTGCCTTTTCTGGCCTGGGTGATTGTATATGCATCGCTGGCAAAGGAATTAAGACATCA
 GGAAAAGTGGTGTACTTACAGCCACCTTCCCTTATGTCGTCCTGGTTCATCCTCCTATTGAGGGGTCA
 CCCTGCCTGGAGCTGGAGCCGATCTGGTACTTCATCACACCTAAGTGGGAGAACTCACGGATGCCAC
 GGTGTGGAAGGATGCAGCCACTCAGATTTTCTTCTCCCTGTCTGCGGCCTGGGGAGGGCTCATCACTCTT
 TCTTCTTACAACAAATCCATAACAACCTGCTACAGGGACAGTAAATGTAACCTGCACCAACAGTGCCA
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 CTCTCTCATTCTGGGCCATCATTTTTCTGATGCTTCTCACGCTTGGACTTGACACCATGTTTGCTA
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 CACCCTGGGCTGCTGCATCTGCTTCTTATTATGGGCTTCCCAATGATCACACAGGGTGGAACTACATG
 TTTGAGCTTGTGGACACCTATGCTGCCTCCTATGCTCTTGTATCATTGCCATATTTGAGCTTGTGGCA
 TCTCCTATGTGTACGGCTTGAGAGGTTCTGTGAAGACATCGAGATGATGATTGGATTCCAGCCCAACAT
 TTTCTGGAAGGTCTGCTGGGCGTTTGTACACCCAGCATTAAACGTTTATCCTTTGCTTCAGCTTCTAT
 CAGTGGGAGCCCATGACCTATGGCTCCTACCGTACCCTAACTGGTCCATGGTGCCTGGATGGCTGATGC
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 TGAGAGGCTGAAGTTGGTATGCTCGCCACAGCCGACTGGGGCCATTCTTAGCTCAGCACCGCGGGGAA
 CGCTACAAGAATATGATCGACCCCTGGGAACCTCGTCCCTGGGACTCAAGCTGCCAGTGAAGGATTTGG
 AACTGGGCACCCAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212161 representing NM_203334
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MDCSAPKEMNKPPTNILEATVPGHRDSPRAPRTSPEQDLAAAAPAAAVQPPRVPRASASTGAQTFQSADAR
 ACEAQRPGVGFCKLSSPQAQATSAALRDLSEGHSAQANPPSGAAGAGNALHCKIPALRGPEEDENSVAK
 GTLEHNNTPPVGWVNMSQSTVVLGTDGIASVLPGSVATTTIPEDEQGDNKARGNWSKLDLILSMVGYA
 VGLGNVWRFPYLAFQNGGGAFLIPYLMMLALAGLPIFFLEVSLGQFASQGPVSVWKAIPALQGCGIAML
 ISVLIAYYNVVICYTLFYLFASFVSVLPWGSNNPWNTPECKDKTKLLLDSCVIGDHPKIQIKNSTFCM
 TAYPNLTMVNFTSQANKTFVSGSEEYFKYFVLKISAGIEYPGEIRWPLPFCLFLAWVIVYASLAKGIKTS
 GKVVYFTATFPYVVLVILLIRGVTLPGAGAGIWFITPKWEKLTDATVWKDAATQIFFSLSAAWGGLITL
 SSYNKFHNNCYRDTLIVTCTNSATSIFAGFVIFSVIGFMANERKVNIENVADQGPGIAFVVYPEALTRLP
 LSPFWAIIFFLMLLTLGLDTMFATIETIVTISISDEFPKYLRTHKPVFTLGCCICFFIMGFPMITQGGIYM
 FQLVDTYAASYALVIIAIFELVGISYVYGLQRFCEIEMMIGFQPNIFWKVCWAFVTPTILTFILCFSFY
 QWEPMTYGSYRYPNWSMVLGWLMLACSVIWIPIMFVIKMYLAPGRFIERLKLVCSPQPDWGPFLAQHRGE
 RYKNMIDPLGTSSLGLKLPVKDLELGTQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_203334

ORF Size: 2397 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_203334.1](#), [NP_976079.1](#)

RefSeq Size: 7075 bp

RefSeq ORF: 2400 bp

Locus ID: 171148

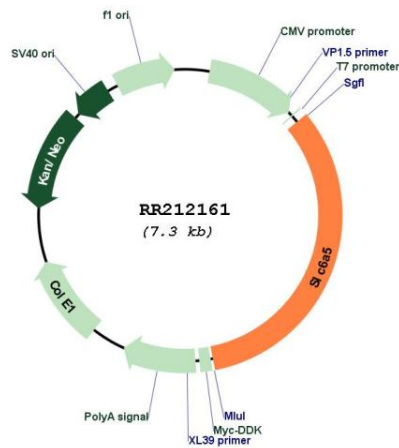
UniProt ID: [P58295](#)

Cytogenetics: 1q22

MW: 87.9 kDa

Gene Summary: glycine transporter [RGD, Feb 2006]

Product images:



Circular map for RR212161