

Product datasheet for RN207827

Slc12a5 (NM_134363) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a5 (NM_134363) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc12a5
Synonyms:	Kcc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207827 representing NM_134363 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCAACAACCTGACGGACTGCGAGGACGGCGATGGGGAGCCAACCCGGGTACGGCAATCCCAAGG
AGAGCAGCCCCTTCATCAACAGCACGGACCGGAGAAGGGGAGAGAGTATGATGGCAGGAACATGGCCCT
GTTTGAGGAGGAGATGGACACCAGCCCCATGGTATCCTCCTGCTCAGTGGGCTGGCCAACCTACACCAAC
CTGCCTCAGGGAAGCAAAGAGCACGAAGAAGCAGAAAACAATGAGGGCGAAAGAAGAAGCCGGTGCAGG
CCCCACGCATGGGCACCTTCATGGGCGTGTACCTCCCCTGCTGCAGAACATCTTTGGTGTATCCTCTT
TCTGCGGCTCACTTGGGTGGTGGGAATCGCAGGCATCATGGAGTCCTTCTGCATGGTCTTCATCTGCTGC
TCCTGCACGATGCTCACAGCCATTTCCATGAGCGCAATTGCAACCAATGGTGTGTGCTGCTGGTGGCT
CCTACTACATGATTTCCAGGTCTCTGGGCCGGAGTTGGGGGCGCCGTGGGCTCTGCTTCTACCTGGG
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GGTCTTCTGGGTTGCGTGATCCTCTCCATCCTGGCCATCTACGAGGGGTCAAGTCTGCCTTCGAT
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TCTTTCTCTCTACCTGCGGAGCTGGACTACAGAGCCTCACAGGGGCCCCACGCCTGCTGCAGGCCATCT



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CCCGGGATGGCATAGTGCCCTTCTGCAGGTCTTTGGCCATGGCAAAGCCAACGGAGAGCCAACCTGGGC
GCTGCTGCTGACTGCCTGCATCTGTGAGATCGGCATCCTCATCGCTCCCTGGATGAGGTCGCCCCATC
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AGAGACAGCTTGTGACAACGAGGAGAAGCCAGAAGAGGAGGTGCAGCTGATCCATGACCAGAGTGTCCC
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GGGGATCAAGGACTTCTCAGCATGAAGCCGAGTGGGAAAACCTGAACCAGTCCAACGTGCGGCGCATG
CACACAGCTGTGCGGCTGAACGAGGTATCGTGAATAAAATCCCGGGATGCCAAGTTGGTGTGCTCAACA
TGCCCGGGCTCCCGCAACCGCAATGGAGATGAAAACACTACATGGAATCCTGGAGGTCCTCACTGAGCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_134363
- Insert Size:** 3351 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_134363.1](#), [NP_599190.1](#)

RefSeq Size:	5566 bp
RefSeq ORF:	3351 bp
Locus ID:	171373
UniProt ID:	<u>Q63633</u>
Cytogenetics:	3q42
Gene Summary:	neuronal specific potassium-chloride cotransporter isoform; may play a role in response to neuronal injury [RGD, Feb 2006]