

Product datasheet for RN211337

Slc4a5 (NM_212512) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc4a5 (NM_212512) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc4a5
Synonyms:	NBC4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211337 representing NM_212512 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGTGAAGAGAAGGCTGGGGTCAAAAAGCTGGAGCCACAAGCTACAGGAGGAGACACCCAGAAC
AAGATTTCCCTTCAATACATATTGGCTTCCAGTCCCCGGTACTCTCAAAGAAAAGTACTCAAAGG
ACATCTTTCAGGCTGCAAAGAGTCCAGTGGTCCCTGCAACCGGACAAATCTCAGCAGGACTGGCTGGT
CCAGACGGGATCAAGGCCAGCAGCTGGGAGGCTCCGTGGATTTACAAAAGGATTCGGTCTCCAGCTG
CTGAGCAGCTACAGGACATCCTGGGGGAGGAAGATGAGGCTCCCAACCCACCCTCTTACAGAGATGGA
CACTCTACAGCATGATGGGGACCAGATGGAGTGGAAAGGAATCAGCCAGGTGGATAAAATTTGAAGAAAAG
GTAGAGGAAGGAGGAGAACGCTGGAGCAAGCCCCATGTGTCCACGCTGTCCCTGCACAGCCTCTTTGAGC
TCCGCACTTGCTGCAGACAGGGACGGTGTCTGGATCTGGACAGTGGCTCTCTACCACAGATCATAGA
TGATGTCAATTGAGAAGCAGATAGAGGGTGGACTTCTGCGACCAGAGCTCCGGGAAAGGTCAGCTACGTG
CTCCTGAGGAAGCATCGCCACCAACCAAGAAGCCATCCACCGTCCCTTGACAGATTGGGAAGTCGG
TTTCTACTACGAATCGCAGCTCTGCCCGAGCCCTCAGCAGGCCCAACTGCAACCATCCACCGAGGATC
CCTGAGGATTCGGCAAAGCACCAGCTATGGTCATCTGTGTCATGCCAGAGTAGAAGCATGAATGACATC
TCCCATACCCCAAACACAGACCAGCGGAAAAACAATTCATGAAGAAGATCCCAAGGACTCAGAAGCCT
CCAACGTGCTTGTGGCGAGGTGGACTTCTGGACCAGCCATTATTGCGTTTGTTCGTCTTGCCAGTC
TTCCATGCTGGGAGGGTGACCGAGGTGCTGTCCCAACAGATTTCTGTTTACTACTTCTAGGACCTTCT
GGAAGAGCAAAGTCTACAATGAGATTGGCCGAGCCATTGCAACCCTCATGGTGGATGATCTTTCAGCG
ATGTGGCTTATAAAGCACGGAATCGAGAAGATCTGATCGCAGGAGTTGATGAATTTCTAGATGAGGTCAT
TGTCTTCCCCCTGGAGAGTGGGATCCAAACATCAGAATTGAGCCGCCAAGAAAGTTCCCTCAGCCGAC
AAGAGGAAATCTGTGTTCTCTCTGGCAGAGCTGGCCAGATGAATGGCTCTGTGGGCAGAAGCGGAGCCT
CGGCCGAGGAGGCGGCAGTGGCGGAGGGGCTGGAGGCAGCGGGCCGGCGGAGGAGGCAGTGGCAACGA
GGCTGAGATGCCAGCTATGCATGAAATTTGGGGAGGAGCTGATCTGGACCGGAAGGTTTTTTGGAGGACTG
CGTCTGGATGTAAGAGGAAGCTGCCCTGGTCCCAAGTGACTTCTATGATGGCTCCACATCCAGTCCA



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TCTCTGCTGTCCTGTTTCATCTACCTCGGCTGTATCACCAATGCTATCACCTTCGGTGGGCTTCTGGGGGA
 TGCCACAGACAATTATCAGGGAGTAATGGAGAGCTTCTGGGCACTGCCATGGCTGGCAGCTTGTCTGC
 CTCTTCTCGGGGAGCCTCTCATCATCCTCAGCAGCACAGGACCCATCCTCATCTTTGAAAAGCTCCTCT
 TTGACTTCAGCAAGGCCAATGGCCTGGACTACATGGAGTTCGCCCTCGGATTGGTCTTCACTCAGCCAT
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 GGCTTCCACCCTCATCAGTTTCATCTTATCTACGACGCCATCAAAAAGATGATTGGTGCCTTCAAT
 ACTATCCCATTAACACGGACTTCAAGCCGACTCCATCACACCTACAAAATGCGAGTGGTGCCTCTGA
 CACAGTGAATACAACCCTGTCAACGACTCAGCCCTGCTGGTGCCAAACCAACATGTCTGTGTACACC
 CCCCTTAACCTCACAGCGCTGGACTGGTCTCTGCTGAGCAAGAAGGAATGTCTGAGCTATGGGGGCGCC
 TGCTTGGGAGCTCCTGCCAGTTCGTCGCCGACTTGGCCCTCATGTCTTTCATCTTTTCTTTGGGACTTA
 CTCATGACCTTGACTCTGAAGAAATTCAAATTCAGCCGCTATTTCCCAACCAAGTCCGAAACCCTGGT
 GCTGACTTCTCCATTGTTTTCTCCATCTGCTGTTCTGTGGAATCGATGCCTGTTTTGGCCTGCAAACCC
 CCAAGTGCACGTGCCTAATGTCATCAAGCCACAAGGCCTGACCAGGCTGGTTCGTTGCCCTTTGG
 GAAGAATCCTTGGTGGGTACCCTGCCAGCATCTGCCGGCCCTGCTGGTGACCATCCTGATCTTCATG
 GACCAGCAGATCACTGCTGTCATTGTCAACAGGAAGGAGAACAAGCTGAGGAAGGCCGCGCTACCATC
 TGGACCTGTTCTGGTGGGCATCCTCATGGCCCTGTGCTCCTTATGGGGCTCCCCTGGTATGTGGCTGC
 CACGGTCACTCCATCGCTCACATCGACAGCCTCAAGATGGAGACGGAGACCAGTGCCCCAGGGGAACAG
 CCCAGTTCCTGGGGTCAAGGAGCAGAGATTAAGTGGAGTATGGTCTTCTTCTGACAGGCATCTCCG
 TCTTCTGGCTCCTATCCTGAAGTACATCCCCATGCCAGTGTCTATGGTGTCTTCTTCTACATGGGTGT
 GGCCTCCTGAATGGCATCCAGTCTGGGACCGCTGTAAGCTTTTCTCATGCCAGCAAGCACCAGCCG
 GACCATGCCTTCTGCCACGTGCCCTTCCCGGATCCACCTGTTACCCTGGTGCAGATCCTCTGCC
 TGGCCCTGCTGGATCCTTAAGTCAACCATGGCTGCTATCATCTCCCGGTGATGATCCTGGCCATAAT
 CATTGTTTGAAGGCTCCTGGACTTATTCTCCAGCATGACCTGGCCTGGATTGACAATATCCTCCCA
 GAGAAGGAGAAAAAGGAATCAGACAGGAAGAAGAGGAGGAAGAGGTCCACGAGAACACGGACAAGGAGC
 CCCAGTTCCTTCTCCCTCAGTTGTAAGATCCCAATGGAAGGTATCCCATCTGATCCCCAAAACGGTAT
 CCACTGTGTTGGCAGAAAAAGATCTTCCAGTTGGAGCCACTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_212512
- Insert Size:** 3339 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_212512.1, NP_997677.1](#)

RefSeq Size:	3617 bp
RefSeq ORF:	3339 bp
Locus ID:	297386
UniProt ID:	<u>Q6RI88</u>
Cytogenetics:	4q34
Gene Summary:	member of the sodium bicarbonate cotransporter (NBC) family; involved in intracellular pH regulation and sodium bicarbonate transport [RGD, Feb 2006]