

Product datasheet for RR211337

Slc4a5 (NM_212512) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc4a5 (NM_212512) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc4a5
Synonyms:	NBC4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211337 representing NM_212512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAGTGAAGAGAAGGCTGGGGTCAAAAAGCTGGAGCCCACAAGCTACAGGAGGAGACACCCAGAAC
AAGATTTCCCTTCAATACATATTGGCTTCCAGTCCCCGGTACTCTCAAAGAAAAGTACTGACTCAAAGG
ACATCTTTCAGGCTGCAAAGAGTCCAGTGGTCCCTGCAACCGGACAAATCTCAGCAGGACTGGCTGGT
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CACTCTACAGCATGATGGGGACCAGATGGAGTGGAAAGGAATCAGCCAGGTGGATAAAATTTGAAGAAAAG
GTAGAGGAAGGAGGAGAACGCTGGAGCAAGCCCCATGTGTCCACGCTGTCCCTGCACAGCCTCTTTGAGC
TCCGCACTTGCTGCAGACAGGGACGGTGTCTGGATCTGGACAGTGGCTCTCTACCACAGATCATAGA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211337 representing NM_212512
 Red=Cloning site Green=Tags(s)

MKVEEKAGVKKLEPTSYRRRHPEQDFPSIHIGFVPGYSQRKSDSKGHL SGLQRVQWSLQPKSQQDLA
 PDGIKASSLGGSDVDFTKRIRSPAEEQLQDILGEEDEAPNPTLFTEMDTLQHDGDMQEWKESARWIKFEEK
 VEEGGERWSKPHVSTLSLHSLFELRTCLQTGTVLLDLDSGSLPQIIDDVIEKQIEGGLLRPELRERSYV
 LLRKHRHQTKKPIHRSLADIGKSVSTTNRSSARSPSAGPTLHHSTEDLRIRQSTSYGHLCHAQSRSMNDI
 SHTPNTDQRKNKFMKKIPKDSEASNVL VGEVDFLDQPF IAFVRLAQSSMLGGVTEVPVPTRFLL ILLGPS
 GRAKSYNEIGRAIATLMVDDLFSVYAYKARNREDLIAGVDFLDEIVLPPGEWDPNIRIEPPKKVPSAD
 KRKSVFSLAELGQMNGSVGRSGASAGGGGSGGGAGGSGAGGGGSGNEAEMPAMHEIGEELIWTGRFFGGL
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 DQQITAVIVNRKENKLRKAAGYHLDLFWVGILMALCSFMGLPWVYAATVISHAHIDSLKMETETSAPGEQ
 PQFLGVREQRTVGMVFI LTGISVFLAPILKYIPMPVLYGVFLYMGVASLNGIQFWDRCKLFLMPAKHQ
 DHAFLRHVPLRRIHLFTLVQILCLALLWILKSTMAAIFPVMILGLIIVRRLLDLIFSQHDLAWIDNILP
 EKEKESDRKKRRKEVHENTDKEPQFLPPSVVKIPMEGIPSDPQNGIHCVGRKRSSSWSHSL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<u>NM_212512.1</u> , <u>NP_997677.1</u>
RefSeq Size:	3617 bp
RefSeq ORF:	3339 bp
Locus ID:	297386
UniProt ID:	<u>Q6RI88</u>
Cytogenetics:	4q34
MW:	123.9 kDa
Gene Summary:	member of the sodium bicarbonate cotransporter (NBC) family; involved in intracellular pH regulation and sodium bicarbonate transport [RGD, Feb 2006]