

Product datasheet for **RN204428**

Slc4a4 (NM_053424) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc4a4 (NM_053424) Rat Untagged Clone
Tag: Tag Free
Symbol: Slc4a4
Synonyms: HHNMC; HNBC1; KNBC; Nbc1; NBC2; Nbc4; PNBC; SLC4A5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204428 representing NM_053424
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGATGAAGCTGCTCTGGACAGGGGCTTCTTCCTTAACATGTGTGTGACGAAGAAGAAGTAG
AAGGTCACCACACGATCTACATTGGGGTCCATGTGCCAAGAGCTACCGGAGAAGGAGACGCCATAAGAG
AAAGGCTGGGCACAAGGAAAAGAAGGAGAAGGAAAGGATCTCTGAGAATATTCCGACAAATCAGATGTG
GAGAATGCGGACGAATCCAGCAGCAGCATCCTCAAGCCGCTCATCTCCCCGGCCGAGAAGTATCCGAT
TCATCTTGGGAGAGGAAGATGACAGCCCAGCACCTCCTCAGCTTTCACGGAACCTCGATGAGCTGCTGGC
TGTGGATGGACAGGAGATGGAATGGAAGGAGACAGCCAGGTGGATTAAGTTTGAAGAGAAAGTGGAAACAG
GGTGGGGAGCGATGGAGCAAACCCCATGTGGCCACCTTGTCCCTGCACAGCTTGTGGAGCTGAGGACAT
GTATGGAGAAAGGATCCATCATGCTTGACCGGGAGGCCTCCTCTCCCACAGCTGGTGGAGATGATTGC
AGACCACCAGATCGAGACAGGCCTTGAAGCCGACCTCAAGGATAAAGGTCACCTATACGCTGCTGCGG
AAACACCGACATCAAACCAAGAAATCAAACCTTCGGTCCCTGGCTGACATTGGGAAGACAGTCTCCAGT
CAAGTAGGATGTTTCAGCAACCTGATAACGGTAGCCAGCTATGACCCACAGGAATCTGACATCTCCAG
TCTCAATGACATTTCTGATAAACCCAGAGAAGGACCAGCTGAAGAATAAATTCATGAAAAAAGTCCCGT
GATGCAGAAGCTTCCAACGTGCTCGTTGGGAGGTTGACTTCTTGACACTCCCTTCATTGCCTTTGTT
GTCTACAGCAGGCTGTCATGCTGGTGCCTGACTGAGGTGCCTGTGCCACAAGTTCTTGTTCTTCT
CTTAGGTCCAAAGGGGAAAGCCAAGTCTACCATGAGATCGGAAGAGCCATCGCCACCTTGATGTCTGAC
GAGGTGTTCCACGATATCGTTACAAAGCGAAAGATAGACACGACCTGATTGCTGGCATTGACGAGTTCT
TAGATGAAGTCATTGTCTTCCACCTGGGAATGGGACCCGCAATCAGAATAGAACCTCCAAAGAGCCT
CCCATCATCTGACAAAAGGAAGAATATGTAAGTCAAGTGGAGAGAAGTTCAGATGAATGGGACACACCT
CATGATGGAGGCCACGGAGGAGGACCGGTGACTGTGAAGAACTACAGAGAAGTGGCCGGTTCTGTG
GTGGATTAATTAAGGACATAAAGAGGAAAGCACCATTTTTGCCAGTGACTTTTATGACGCTTAAATAT
TCAGGCTCTCTCGCAATTCTTTCATCTATCTGGCGACGTAACCAACGCCATCACTTTCGGAGGCCTG
CTCGGGGATGCCACTGACAACATGCAGGTTGTTGGAGAGTTTCTGGGCACTGCTGTCTCTGGCGCCA



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TCTTTTGCCTTTTTCGCGGTCAACCGCTCACCATCTTGAGTAGCACGGGACCTGTTCTGGTGTGGAGAG
 GCTTCTTTTCACTTCAGCAAGGACCATAGTTTGGACTACTTGGAGTTTCGTCTTTGGATTGGCCTGTGG
 TCAGCCTTCATGTGTCTCATCTGGTGGCCACTGATGCCAGCTTCTGGTTTCAGTACTTCACCCGTTTCA
 CGGAAGAAGGATTCTCTCTCTGATCAGCTTTCATCTTATGATGCTTTCAAGAAGATGATCAAGCT
 GGCAGATTACTATCCCATCAACTCTGACTTCAGAGTGGGCTACAACACTCACTTCTCTGTGCTTGCCTG
 CCACCTGACCCAGTTAATCTCTCAGTATCTAATGATACCACACTAGCCCCAGAGGACCTGCCAACCGTTT
 CTTCTACTGACATGTACCACAATGCTACCTTTGACTGGGCTACTTGTCAAAGAAAAGAGTGTGAAATT
 TGGAGGAAAGCTCGTGGGAAACAACCTGTGACTTGGTGCCTGACATCACACTCATGCTTTCATCCTCTTC
 CTGGGCCTTACACCTTCTATGGCCATGAAGAAATTCAAAACAGCCGCTATTTTCCAACCACAGCAA
 GAAAAGTATCAGCGATTTTGCATCATCTGTCCATTCTCATATTCTGTGTAATAGACGCCCTCGTCGG
 TGTGGATACTCCGAAGCTAATTGTGCCAAGTGAAGTTCAAGCCAACAAGCCCTCACCGGGTTGGTTTGT
 CCACCTTTGGAGGAAACCCCTGGTGGGTGTGCCTTGTGCTGCTATCCCGGCTTGTAGTCACCATCC
 TGATTTTCATGGACCAGCAAATCACGGCCGTGATTGTGAACAGGAAAGAACATAAGCTCAAGAAGGGAGC
 TGGCTATCACCTGGACCTGTTTTGGGTGCGCATCTCATGGTGGTGTGCTCCTTCATGGCTTCCCTGG
 TATGTGGCTGCTACTGTCATCTCCATCGCTCACATCGACAGTCTGAAGATGGAGACAGAGACTTCTGCGC
 CTGGAGAAACAACCAAGTTTCTGGGAGTGAAGAAACAACGAGTCACTGGAACCCCTGTGTTTATTCTGAC
 TGGCCTGTGAGTCTTTATGGCTCCCATCTTGAAGTTTATCCCCATGCCTGTTCTGTATGGCGTGTCTTG
 TATATGGGGTGGCCTCACTGAACGGTGTGCGATTTCATGGACCGTCTTAAGCTGCTTCTCATGCCCTGA
 AGCATCAACCTGACTTCTACCTGCGCCACGTCCCCCTGCGCCGAGTCCACCTGTTACCTCCCTGCA
 GGTGTTGTGCCTGGCTCTGCTCTGGATCTCAAGTCCACAGTGGTGGCATTATTTTCCAGTTATGATC
 CTGGCCCTGGTAGCTGTGAGAAAAGGTATGGACTACCTTCTCCAGCAGACCTCAGCTTCTTTGATG
 ATGTCATTCCAGAGAAGGACAAGAAAAAGAGGAGGATGAGAAGAAGAAGAAAAAGAAAGGAAGTCT
 GGATAGCGACAACGACGATTCTGACTGCCATACTCAGAAAAGGTCCCCAGTATTTAAATTCATGGAC
 ATCACGGAACAGCAACCTTCTAAGTGATAACAAACCCCTGGACAGAGAAGATCCTCAACATTCCTTG
 AACGCCACACATCATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_053424

Insert Size:

3240 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_053424.1](#), [NP_445876.1](#)

RefSeq Size:	3573 bp
RefSeq ORF:	3240 bp
Locus ID:	84484
UniProt ID:	Q9J166
Cytogenetics:	14p22
Gene Summary:	sodium bicarbonate cotransporter; important for sodium and bicarbonate transport across membranes [RGD, Feb 2006]