

Product datasheet for RN202762

Slc4a7 (NM_058211) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc4a7 (NM_058211) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc4a7
Synonyms:	NBC3; NBCn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202762 representing NM_058211 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGCAGACGGGGCCGGCGAGCAGATGAGACCGCTACTCACGCGGGTCCCGATGAAGAAGCTGTTG
TGGATCTTGGCAAACACTAGCTCAACCGTGAACACCAAGTTTAAAAAGAAGAATTAGAGAGTCATCGAGC
TGTATATGTTGGTGTTCATGTACCGTTTAGTAAAGAGAGTCGTCGGCGTACAGGCATCGAGGGCACAAA
CATCACACCAGGAGAAGAAAAGACAAAGACTCAGATAAGGAAGATGGACGGGAGTCTCCTCTTATGACA
CGCCATCGCAGAGGGTGCAGTTCATCCTTGGGACTGAAGACGATGATGAGGAGCACATCCCCACGACCT
CTTCACGGAGATGGACGAGCTCTGCTACCAGACGGGGAAGAGTACGAGTGGAAAGAGACAGCCAGGTGG
CTGAAGTTCGAAGAGGATGTTGAGGATGGTGGTGACCGATGGAGTAAACCGTATGTGGCCACTCTGTCTT
TGCACAGTCTCTTGGAGCTGAGGAGTGTATCCTAAATGGAACAGTCATGCTGGATATGAGAGCAAGCAC
TCTGGATGAAATAGCAGATATGGTGTAGACAACATGATAGCGTCTGGCCAGCTAGATGACTCCATAAGG
GAGAATGTTGAGAAGCTCTTCTGAAGAGACATCATCAAAATGAGAAAAGTTTACAAGTCGGATTC
CCCTCGTTCGATCCTTTGCAGATATAGGCAAGAAACATTCGACCCTCACTTGCTTGAAGGAATGGGGA
AGGCCTGTCAGCCTCCCGCATTCTTTGCGAACAGGCTGTCTGCCTCAAACCTTTCCTTGAGAGGAGAA
TCGCCTTTATCCCTTCTCAGTCATCTTCTCCTTCTCAAGAGCTGGCACCCCTGCAGGCTCAAGGT
GTACCACCCAGTACCCACCCCCAGAACAGTCTCCTCCAGCCCGAGTTAAGTCGCCTGACCTCCAG
AAGTTCCCAACAGACTCAGCCTCAGGCCCCAGAAGTACTGGTGTACCTGACAGGGATGATATCCAGAG
GTAGTAATTCATCCGCTGAGGAAGACATAGAAGCACTGAAAGGCCAAGAGCAGAAGAATGAGGAAAATA
CTGACTTCACTCCAGGGATTTGGCTTCTCCACAGTCTGCTCCTGAAACCTGGACAGTAGTAAAAGTGG
TGAAGTAAAAGGTAACGGAAGTGGAGGAAGCAGAGAAAAATAGTACTGTTGACTTTAGCAAGGTTGACATG
AATTTTCATGAGGAAAATCCTACAGGAGCTGAGGCATCCAATGTTTTGGTAGGAGAGGTGGATTTCTTGG
AGAGACCTATCATTGCATTTGTGAGACTGGCTCCTGCAGTTCTCCTCTCAGGGTTGACTGAGGTCCCTGT
GCCCACTAGGTTTTTGTCTGTTACTGGGCCAGCAGGAAAGGCTCCACAGTACCATGAAATGGCAGA
TCCATAGCAACTTAATGACAGATGAGATTTTTTCATGATGTAGCTTATAAAGCAAAGATCGAAATGACC



TCTTATCTGGAATTGATGAATTTTTAGATCAAGTAACTGTTCTTCTCCAGGAGAGTGGGATCCTCCAT
 ACGCATAGAGCCACAAAAAGTGTCTCTCAGGAGAAAAGGAAGATCCTGCGTTTCCAATGGATCT
 GCTCCAGTGTCTGCTGACCCTCCTAAGGAGGCTGATCACCACGCTGGGCCTGAGCTGCAGAGGACTGGAC
 GGCTTTTTGGTGGTTTGATACTTGACATCAAAAGGAAAGCACCTTTTTCTTGAGTGACTCAAGGATGC
 ATTAAGTCTGCAGTGCCTGGCCTCGATTCTTTCTATACTGTGCCTGTATGTCTCTGTAACTACTTTT
 GGAGGGCTGCTTGAGAAGCTACAGAAGGCAGAATAAGTGAATAGAGTCTTTTTGGAGCATCATTAA
 CTGGGATTGCCATTATTGTTGTTGCTGGCAACCTCTAACAACTACTGGGAGCACGGGCTCAGTCTAGT
 GTTTGAAAAAATTTTATTTAAATTCGTAGAGATTATCACCTATCCTATCTATCATTAAAGAACAGTATT
 GGTCTGTGGACTTCTTTCTGTGCATTGTGTTGGTTCGCAACAGATGCCAGCAGCCTGTTTTGTACATTA
 CTCGGTTCACAGAAGAAGCTTTGCGCGCACTCATTGTATCATCTTCATCTATGAAGCCTTGAGAAACT
 CTTTCACTTAGGAGAAATATATGCATTTAACATGCACAACAACCTGGATGCATTGACCAGTTACACATGT
 GTATGTGCTGAGCCATCTAATCCTAGCAACGAACTGTAGAGCTGTGGGAGAGGAAGAAGCTGACAGCAG
 CCAGTATTTCTGGGCAACCTTACCGTGTCTGAGTGAAGACCTCCACGGTATGTTTGTGGGATCAGC
 TTGTGGGCTCACGGCCTTATGTTCCCGATGTGCTCTTCTGGTGTGCTGCTTTGTTTTCAACAGTTC
 TTTCTGTCTTCATTCTCAAGCAGTTTAAAGCAAGAGATATTTCTACTAAGGTGCGATCAACAATCA
 GTGACTTTGCTGTATTTCTACAATAGTAATAATGGTTGCAATTGACTACCTTGTAGGAATTCATCTCC
 TAACTTCATGTTCTGAAAAGTTTGAGCCTACTGATCCAAGCAGGGGCTGGATCATAAGCCCTTTGGGA
 GATAACCCCTGGTGGACCTACTAATTGCAGCTGTCCAGCTCTCCTTTGTACCATTCTCATCTTCATGG
 ACCAGCAGATCACAGCTGTGATCATCAACAGGAAAGAACAACAACCTGAAGAAAGGAGCTGGCTATCACCT
 GGACTTGCTCATGGTGTGCTGATGTTGGGAGTCTGCTCCATCATGGCCTGCCGTGGTTTGTGGCTGCA
 ACAGTGTGCTATAAGTCAACAGCTTAAAAGTAGAGTCTGAATGTTCTGCTCCAGGGGAACAGC
 CCAAGTTCCTCGAATTCGTGAACAGCGGGTTACAGGGCTGATGATTTTTATCCTGATGGCCTCTCTGT
 GTTCATGACTTCAGTATTAAGTTTATTCGGATGCCAGTTCTATATGGTGTTCCTTTATATGGGAGTT
 TCTTCTGAAAAGGAATTCAGTTTTTTGACCGTATCAAATTTATTTGGAATGCCTGCCAAGCACCAGCCGG
 ACCTGATCTACCTCCGCTATGTCCTCTCTGGAAGGTGCACGTGTTACGGTTCGTCAGCTGACCTGCCT
 GTTTCTGCTCTGGGTGATCAAAGCCTCTGCTGCTGCAGTAGTTTTTCCCATGATGGTTCTTGCAATTAGTC
 TTTGTGCGCAAGCTCATGGATCTGTGCTTCAAAAGAGAGAAGTCAAGTGGCTTGTGACCTCATGCCAG
 AAAGTAAGAAAAAGAAAGATGACAAGAAGAAGGAGAAGGAGGAAAGCTGAGCGGATGCTTCAGGG
 TGACGGGATACTGTGCACCTCCATTCGAAAGGGGGAGTCTCTACAAATTCAGTTAAGACCCTAAAA
 TATAGTATTGACCCTCAGTTGTTAACATATCAGATGAAATGGCCAAAAGTCCAGTGGAAAGGCATTT
 CCATGAATACTGAGAATGCCAAAGTAACCAGACCTAACATGAGCCCTGAAAAGCCTGTGAGTGTGACAA
 AAATTTGAAGATGAACCATCAAAAAATACATGGATGCTGAAACTTCATTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_058211

Insert Size:

3765 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_058211.2](#), [NP_478118.1](#)

RefSeq Size: 4041 bp

RefSeq ORF: 3765 bp

Locus ID: 117955

UniProt ID: [Q9R1N3](#)

Cytogenetics: 15p16

Gene Summary: regulates intracellular pH in different cells along with Na⁺-driven HCO₃⁻ transporters, the Na⁺-driven Cl⁻/HCO₃⁻ exchanger [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.