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Product datasheet for RN217560

Slc4a7 (NM_001270860) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc4a7 (NM_001270860) 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:	>RN217560 representing NM_001270860 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGGCAGACGGGGCCGGCGAGCAGATGAGACCGCTACTCACGCGGGGTCCCGATGAAGAAGCTGTTG TGGATCTTGGCAAAACTAGCTCAACCGTGAACACCAAGTTTGAAAAAGAAGAATTAGAGAGTCATCGAGC TGTATATGTTGGTGTTCATGTACCGTTTAGTAAAGAGAGTCGTCGGCGTCACAGGCATCGAGGGCACAAA CATCACCACCGGAGAAGAAAAGACAAAGACTCAGATAAGGAAGATGGACGGGAGTCTCCTTCTTATGACA CGCCATCGCAGAGGGTGCAGTTCATCCTTGGGACTGAAGACGATGATGAGGAGCACATTCCCCACGACCT CTTCACGGAGATGGACGAGCTCTGCTACCGAGACGGGGAAGAGTACGAGTGGAAAGAGACAGCCAGGTGG CTGAAGTTCGAAGAGGATGTTGAGGATGGTGGTGACCGATGGAGTAAACCGTATGTGGCCACTCTGTCTT TGCACAGTCTCTTTGAGCTGAGGAGTTGTATCCTAAATGGAACAGTCATGCTGGATATGAGAGCAAGCAC TCTGGATGAAATAGCAGATATGGTGTTAGACAACATGATAGCGTCTGGCCAGCTAGATGACTCCATAAGG GAGAATGTTCGAGAAGCTCTTCTGAAGAGACATCATCATCAAAATGAGAAAAGGTTTACAAGTCGGATTC CCCTCGTTCGATCCTTTGCAGATATAGGGGAAGGCCTGTCAGCCTCCCGCCATTCTTTGCGAACAGGTCT GTCTGCCTCAAACCTTTCCTTGAGAGGAGAATCGCCTTTATCCCTTCTTCTCAGTCATCTTCTTCCTTCT TCAAGAGCTGGCACCCCTGCAGGCTCAAGGTGTACCACCCCAGTACCCACCCCCCAGAACAGTCCTCCTT CCAGCCCCAGCTTAAGTCGCCTGACCTCCAGAAGTTCCCAACAGACTCAGCCTCAGGCCCCAGAAGTACT GGTGTCACCTGACAGGGATGATATTCCCAGAGTAGTAATTCATCCGCCTGAGGAAGACATAGAAGCACTG AAAGGCCAAGAGCAGAAGAATGAGGAAAATACTGACTTCACTCCAGGGATTTTGGCTTCTCCACAGTCTG CTCCTGGAAACCTGGACAGTAGTAAAAGTGGTGAAGTGAAAGGTAACGGAAGTGGAGGAAGCAGAGAAAA TAGTACTGTTGACTTTAGCAAGGTTGACATGAATTTCATGAGGAAAATTCCTACAGGAGCTGAGGCATCC AATGTTTTGGTAGGAGAGGTGGATTTCTTGGAGAGACCTATCATTGCATTTGTGAGACTGGCTCCTGCAG TTCTCCTCTCAGGGTTGACTGAGGTCCCTGTGCCCACTAGGTTTTTGTTTCTGTTACTGGGCCCAGCAGG AAAGGCTCCACAGTACCATGAAATTGGCAGATCCATAGCAACTCTAATGACAGATGAGATTTTTCATGAT GTAGCTTATAAAGCAAAAGATCGAAATGACCTCTTATCTGGAATTGATGAATTTTTAGATCAAGTAACTG

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TTCTTCCTCCAGGAGAGTGGGATCCTTCCATACGCATAGAGCCACCAAAAAGTGTTCCTTCTCAGGAGAA
AAGGAAGATTCCTGCGTTTCCCAATGGATCTGCTCCAGTGTCTGCTGACCCTCCTAAGGAGGCTGATCAC
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TCTCCTACAAATTCCAGTTAAGACCCTAAAATATAGTATTGACCCTTCAGTTGTTAACATATCAGATGAA
ATGGCCAAAACTGCCCAGTGGAAGGCACTTTCCATGAATACTGAGAATGCCAAAGTAACCAGACCTAACA
TGAGCCCTGAAAAGCCTGTGAGTGTGACAATAAATTTCGAAGATGAACCATCAAAAAAATACATGGATGC
TGAAACTTCATTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001270860

Insert Size: 3726 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001270860.1, NP_001257789.1
RefSeq Size:	4002 bp
RefSeq ORF:	3726 bp
Locus ID:	117955
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 (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to 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.