

Product datasheet for RN212458

Slc4a2 (NM_017048) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc4a2 (NM_017048) Rat Untagged Clone
Tag: Tag Free
Symbol: Slc4a2
Synonyms: Ae2; Aep2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN212458 representing NM_017048
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAGCGCCCCAGGCGCCCCGCTCGGGCGCAGATTCTTTGCACACGCCAGAGCCAGAGAGCCTGA
 GCCCGGAACACCTGGGTTCCCTGAGCAAGAGGAGGAAGATGAACCTTCGTACCTTAGGTGTGGAGCGGTT
 CGAGGAGATCCTCCAGGAAGCTGGATCCAGAGGAGGAGAAGAGCCAGGCCGAGCTATGGGGAGGAAGAC
 TTTGAATACCACCGCCAGTCTCCACCATATCCATCATCCACTCTCCACCCACCTGCCTCTGACGCC
 GCCGTCGCAAGACTCCCCAGGGCCAGGACGGAACCTCGAGGGCGCCCTGGAGCCTCTCCACTGGAGA
 GACCCCACTATTGAGGAAGGGGAGGAAGATGAGGATGAAGTCGGTGAAGCTGAAGGGTTCAGAGCTCCC
 CCGCAACAACCATCTCCTGCCTTTCACCTCTGCAGTTCAGTTTTTTCTCCAAGAGGATGAAGGTACAG
 ATAGGAAGGCAGAGAGAACCAGCCATCTCCCCCTACACAGACGCCACCAGGAAGCAGCTCCCCGGGC
 CAGCAAAGGGGCACAGACAGGAACCTCTGGTGGAGGAGATGGTGGCCGTGGCCAGCGGCACGGCTGGAGT
 GACGACGGAGGTGCTGCAGGGCGCCCCCTGACCAAGCCAGCCTGGACATCGAAGTTACAACCTTCAGG
 AGAGAAGGCGAATTGGCAGTATGACAGGGGTGGAGCAGGCCCTGCTGCCAGGGTCCCTACTGATGAGAG
 TGAGGCTCAGACGCTGGCCACAGCTGACCTCGACCTCATGAAAAGTCACCGGTTTGAGGACGTTCCGGGG
 GTACGGCGACATTTGGTGAAGAAATGCCAAAGGGTCTACACAGGCTGCCGGGAGCCGAGAGCCTG
 GCCCACACCTCGGGCAGGACCAGGGCCCCCATAAGCCTCATGAGGTGTTCTGAGAGCTGAATGAATT
 GCAGTTGGACAAAAACCAGGAGCCTCAGTGGCGGAGACAGCCCGTGGATAAAAATTTGAGGAGGACGTG
 GAAGAGGAGACTGAGCGCTGGGGCAAGCCTCACGTGGCATCACTGTCTTCCGCAGCCTCCTGGAGCTCC
 GCAGGACACTGGCCATGGAGCTGTGCTCTTGACCTCGATCAGCAGACCCTGCCTGGGGTGGCCCATCA
 GGTGGTCGAGCAGATGGTTATCTCTGACCAGATCAAAGCAGAGGACAGAGCCAATGTGCTACGAGCCCTT
 CTGCTGAAACACAGCCACCCAAGTATGAGAAAGAATTCTCTTCCCCCGGAACATCTCAGCGGGCTCTC
 TGGGCTCTCTCTGGGGCATCACACGCCAGGGGACTGAGAGTATCCTCACGTACTGAGCCTCAT
 CGGTGGTGTCTCTGAGACCCGGCTGGAGGTGGATAGAGAGCGTGAGCTGCCGCCCCAGCCCCACCTGCA



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GGTATTACCCGCTCCAAGTCCAAGCATGAGCTGAAGCTGCTGGAGAAGATCCCTGAGAATGCAGAGGCCA
 CAGTGGTCTCGTGGGCTGTGTGGAGTTCTCTCCCGCCCCACCATGGCCTTTGTGCGCCTGCGGGAGGC
 TGTGGAAGTGGATGCAGTACTGGAGGTGCCTGTGCCTGTGCGCTTCTCTTCTGCTGCTGGGGCCAGC
 AGCGCCAACATGGACTACCATGAGATTGGCCGATCCATCTCCACCCTCATGTCTGACAAGCAATTCACG
 AGGCAGCTACCTGGCAGATGAACGGGATGACTTGCTGACTGTATCAATGCCTTCTGGACTGCAGTGT
 TGTGCTACCGCCTTCTGAAGTGCAGGGCGAGGAGCTGCTGCGTTCTGTTGCCATTTCCAGCGCCAGATG
 CTAAGAAGCGAGAGGAGCAGGGCCGCTGCTGCCCTGGTGCCTGGGCTAGAGCCCAAGTCTGCCAAG
 ATAAGGCACTCCTGCAGATGGTAGAGGTGGCAGGTGCAGCTGAAGATGATCCCTTCGGAGGACAGGCCG
 GCCCTTTGGGGGCTGATCCGTGACGTGCGGCGCGCTACCCGCACTACCTGAGTGACTTCCGAGATGCA
 CTAGACCCCAAGTGCCTGGCTGTGTCATTTTCTACTTTGCCGCCCTGTGCGCTGCCATCACTTTTG
 GGGGGCTACTGGGGGAGAAGACACAGGACCTGATAGGAGTGTGAGAGTGCATGTCCACAGCGCTCCA
 GGGAGTGATCTTCTGCCTGCTGGGCGCCAGCCACTGCTGGTGTGCGCTTCTCGGGGCTCTGCTGGTC
 TTCGAGGAGGCCCTTCTTCTGTTCTGCAAGAGCAACCAGTTGGAGTACTTGGTGGCCGAGTTTGGATTG
 GCTTCTGGCTGGTCTCCTGGCCCTGCTCATGGTGGCTCTGGAGGGGAGCTTCTGGTCCGCTTTGTCTC
 CCGATTACCCAGGAGATCTTTCCTTCTCATATCACTCATCTTCTATGAGACCTTCTATAAGCTG
 ATCAAGATCTTTCAGGAGCACCCCTCCATGGCTGCTCAGTCTCCAACGACTCAGAGGCAGACAGCAGCA
 GTAACAATATGACTTGGGAGCAACCACACTGGCACCAGACAACAGCAGTGCCTGTTGGCAGGAGAGGCC
 CCGGGGCCAGCCTAACACTGCCTTGCTATCACTGGTGTGATGGCCGGCCTTTCTTCTATCGCCTTCTTC
 CTGCGCAAATTAAGAACAGCCGTTTCTTCCCTGGCCGGATCCGGCGGGTAATTGGGGACTTTGGGGTGC
 CCATCGGATCCTCATATGGTGTGTTGGATTACAGTATTGAGGATACCTACCCAGAAGTAAGTGT
 GCCCAGTGGGTTCTCAGTGACAGCCCCAGACAAGCGGGCTGGGTATCAACCCCTTGGAGAGAAGACT
 CCTTTCCCTGTGTGGATGATGGTGGCCAGCCTGTTGCCCTGCTGGTGTTCATCCTCATCTTCATGG
 AGACACAGATCACCGTGTGATCATCTCAAGAAAGAGCGGATGCTTCAAGAGGGCTCTGGCTTCCACT
 TGATCTGTTGCTCATTGTAGCCATGGGTGGCATCTGTGCCCTTCTTGGCCTGCCTTGGTTGGCTGCTGCC
 ACTGTCCGCTCTGTCACTCATGCCAATGCACTCACTGTGATGAGCAAGGCTGTGGCACCTGGTGACAAAC
 CCAAGATTCAAGGAGTCAAGGAGCAGCGGGTGACCGGGCTGCTGGTGGCCCTGCTTGTGGGACTCTCCAT
 GGTCAATGGGGACCTACTGCGGCAGATCCCCCTGGCTGTGCTCTTTGGCATTCTTATACATGGGAGTT
 ACTTCCCTAATGGGATCCAATTCTACGAGCGTTGCACCTGCTACTCATGCCGCCAAACACCACCCAG
 ATGTTACCTATGTCAAGAAGTTTCGACCATGCGGATGCACCTGTTCACTGCCTTGCAGTGTCTGTCT
 GGCCTGCTTTGGGCGGTATGTCCACAGCTGCTTCCCTGGCCTTCCCTTTCATCCTCATCTCACAGTG
 CCTTTGCGCATGGTGTACTTACCCGGATCTTCACTGAGCGAGAAATGAAATGTCTGGATGCTAATGAGG
 CAGAGCCAGTGTGGATGAGTGTGAAGGTGTGGACGAGTACAACGAGATGCCCATGCCTGTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_017048

Insert Size:

3705 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_017048.2](#), [NP_058744.1](#)

RefSeq Size: 4053 bp

RefSeq ORF: 3705 bp

Locus ID: 24780

UniProt ID: [P23347](#)

Cytogenetics: 4q11

Gene Summary: transmembrane anion transporter; functions as a chloride/bicarbonate exchanger; may be important for biliary bicarbonate secretion from the liver [RGD, Feb 2006]