

Product datasheet for **MC229504**

Slc4a2 (NM_001253892) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc4a2 (NM_001253892) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc4a2
Synonyms: Ae2; B3RP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229504 representing NM_001253892
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCAGCGCCCCAGGCGCCCCGCCTCGGGCGCAGATTCTTTGCACACGCCAGAGCCAGAGAGCCTGA
GCCCCGGAACACCTGGGTTCCCCGAGCAAGAGGAAGATGAACTTCGTACCTTAGGTGTGGAGCGGTTCTGA
GGAGATCTCCAGGAGGCTGGATCCCGGGGAGGAGAAGAGCCAGGACGAAGCTATGGAGAGGAAGACTTT
GAATACCACCGCCAGTCCTCCCACCATATCCATCATCCGCTATCCACCCACCTGCCTCCTGATGCCCGCC
GTCGCAAGACTCCCCAGGGCCCAGGACGAAAACCTCGGAGGCGCCCTGGTGCCTCTCCACTGGAGAGAC
CCCCACTATTGAGGAAGGGGAGGAAGATGAGGAAGAAGCTAGTGAAGCTGAAGGGTTCAGAGCTCCCCCA
CAACAACCATCTCCTGCTACTACACCCTCTGCAGTTCAGTTCTTTCTCCAAGAGGATGAAGGTGCAGAAA
GGAAGCCAGAGAGAACCAGCCATCTCCCCCTACACAGACGCCCCACCAGGAGGCAGCTCCCCGGGCCAG
CAAAGGGGCACAGACAGGAACCTGGTGGAGGAGATGGTGGCGGTGGCCAGTGGCACAGCTGGAGGTGAC
GACGGAGGTGCTGCGGGCGTCCCTTGACCAAAGCCCAGCCTGGACATCGAAGTTACAACCTTCAGGAGC
GAAGACGAATTGGCAGTATGACAGGGGTGGAGCAGGCGCTGTTGCCTAGGGTCCCTACTGATGAAAGTGA
GGCTCAGACACTGGCCACAGCCGACCTTGACCTCATGAAAAGTCACCGATTTGAGGATGTTCTGGGGTA
CGGCGACACTTGGTGAAGAAATGCCAAAGGGTCTACACAGGCTGCCCGGAAGGTCGAGAGCCTGGCC
CCACACCTCGGGCACGGCCACGGGCCCCGCATAAGCCCCATGAGGTGTTTGTGGAGCTGAATGAGCTGCT
GTTGGACAAAAACCAGGAGCCTCAGTGGCGGGAGACAGCCGCTGGATAAAAATTCGAGGAGGATGTGGAA
GAGGAGACTGAGCGCTGGGGGAAGCCTCATGTGCCTCACTGTCTTCCGCAGCCTCCTGGAGCTCCGCA
GGACTCTGGCCATGGAGCTGTGCTCTTAGACCTCGATCAGCAGACCCTGCCTGGGGTGGCCATCAGGT
GGTCGAGCAGATGGTCATCTCTGACCAGATCAAGGCAGAGGATAGAGCCAATGTGCTACGGGCCCTCCTG
CTAAAGCACAGCCACCCAAGTGACGAGAAAGAGTTCTCCTTCCCCGAAACATCTCAGCGGGCTCTCTAG
GCTCTCTACTGGGCATCACCATGCCAGGGGACCGAGAGTGATCCTCATGTCACTGAGCCTCTCATTGG
TGGTGTTCCTGAGACCCGACTGGAGGTGGATAGAGAGCGTGAGCTACCACCCCCAGCACCTGCAGGT
ATTACCCGCTCCAAGTCCAAGCATGAGCTGAAGCTGCTGGAGAAGATCCCTGAGAATGCGGAGGCTACAG



TGGTCCTCGTGGGCTGTGTGGAGTTCCTCTCCCGCCCTACCATGGCCTTCGTGCGGTTGCGGGAGGCTGT
 GGAGCTGGATGCCGTGCTAGAGGTGCCTGTGCCTGTGCGCTTCTCTTCTTGTGCTGGGTCCCAGCAGT
 GCTAACATGGACTACCATGAGATCGGCCCTCCATTTCCACCCTCATGTCTGACAAGCAATTTTCATGAGG
 CAGCCTACCTGGCGGATGAACGAGACGACTTGTGACTGCTATCAATGCCTTCTGGACTGCAGTGTGT
 GCTACCGCCTTCTGAAGTGCAGGGCGAGGAGCTGCTGCGTTCTGTTGCCATTTCCAACGCCAGATGCTA
 AAGAAGCGAGAGGAGCAGGGCCGCTGCTGCCCCAGGGGCTGGCTAGAGCCCAAGTCTGCCAAGATA
 AGGCACCTCTGCAGATGGTAGAGGTGGCAGGTGCAGCTGAAGATGATCCCCTTCGGAGGACAGGCCGCCC
 CTTTGGGGGCTGATCCGTGACGTGCGGGCGCTACCCCACTACCTAAGTGACTTCCGCGATGCACTT
 GACCCCAAGTGCCTGGCTGCTGTATTTCATCTACTTTGCCGCCCTGTCTCCTGCCATCACCTTTGGGG
 GGCTACTGGGGAGAAGACAAAGGACCTGATAGGAGTGTGAGAGCTGATCATGTCCACAGCGCTGCAGGG
 AGTGGTCTTCTGCCTGCTGGGGCTCAGCCCTGCTGGTTCATCGGCTTTTCTGGGCTCTGCTGGTCTTC
 GAGGAGGCCTTCTCTGTTCTGCAGTAGCAATGAGTTGGAGTACTTGGTGGCCGAGTGTGGATTGGCT
 TCTGGCTGGTGTCTGGCCCTGCTCATGGTGGCTCTGGAGGGGAGCTTCTGGTCCGCTTTGTATCCCG
 ATTCACCCAGGAGATCTTGCCTTCTCATATCACTCATCTTTCATCTACGAGACCTTCTATAAGCTGATC
 AAGATCTTCCAGGAGCACCCACTCCATGGCTGCTCAGGCTCCAACGACTCAGAGGCAGGCAGCAGCAGCA
 GCAGCAATATGACATGGGCAACAACCACTACTGGTACCAGACAACAGCAGCGCTTCTGGGCAGTCTGGGCA
 GGAGAAGCCCCGGGGCCAGCCCAACACAGCTTGTCTATCGCTGGTGTCTAATGGCTGGCAGCTTTCTTATT
 GCCTTCTTCTGCGCAAGTTCAAGAACAGCCGGTCTTCCCTGGCCGGATCCGGCGGGTAATTGGGGACT
 TTGGGGTGCCTATCGCGATCCTCATCATGGTGTGTGGATTACAGTATTGAGGACACCTACACCCAGAA
 ACTGAGTGTGCCAGCGGATTCTCAGTGACAGCCCCAGACAAGCGGGGCTGGGTTCATCAACCCCTTGA
 GAAAAGACCCCTTCCCTGTGTGGATGATGGTGGCCAGCTGCTGCTGCTGTTCTGGTGTTCATCCTCA
 TCTTCATGGAGACACAGATCACCACGCTGATCATCTCCAAGAAAGAGAGGATGCTGCAGAAGGGCTCTGG
 CTTCCATCTCGACTGTTGCTCATTTAGCCATGGGTGGCATCTGTGCCCTTTTGGCCTGCCTTGGTTG
 GCGCTGCCACTGTCGCTCTGTCAACCATGCCAATGCACTCACTGTCTGAGCAAGGCTGTGGCACCTG
 GGGACAAACCAAGATTCAGGAAGTCAAGGAACAGCGTGTGACAGGGCTGCTGGTGGCCCTGCTTGTGGG
 CCTCTCCATGGTCATTGGGGACCTCTGCGGCAGATCCCCCTGGCTGTGCTCTTTGGCATTCTTGTGAC
 ATGGGAGTCACTCCCTCAATGGGATCCAGTCTACGAGCGGCTGCACCTGCTGCTCATGCCGCCAAAC
 ACCACCCAGATGTCACCTATGTCAAAAAGGTTCCGACCATGCGGATGCACCTGTTCACTGCCTTGCAGTT
 GCTCTGCCTGGCCCTGCTTGGGAGTGCATGTCCACAGCCGCTTCCCTGGCCTTCCCTTTCATCCTCATC
 CTCACAGTGCCTTTCGCGATGGTGGTACTTACCCGAATCTTCACTGAGCGAGAAAATGAAATGTCTGGATG
 CTAAATGAGGCAGAGCCAGTGTGGTACGAGTGTGAAGGTGTGGATGAGTACAACGAGATGCCCATGCCTGT
 GTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001253892
- Insert Size:** 3714 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_001253892.1](#), [NP_001240821.1](#)

RefSeq Size: 4006 bp

RefSeq ORF: 3714 bp

Locus ID: 20535

UniProt ID: [P13808](#)

Cytogenetics: 5 11.74 cM

Gene Summary: Plasma membrane anion exchange protein of wide distribution.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.