OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN214390

Slc12a2 (NM_031798) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a2 (NM_031798) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc12a2
Synonyms:	Bsc2; Nkcc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214390 representing NM_031798 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGCCCGGGCCCGCGGCGCCCTCGTCTGGCGCCCCGCGGCCCGCCCGGGATGGGGACGCGCCGCTGA CTGCCGCCGGGGTGGACCTGCCCGGCACGGCCGTACTCTCCGGTCGAGAGGATGCTACCGCTGGGAGCCA GGCCGGCGGCGGGGTGCGCGGAGAGGGAACCCCGGCCGCTGGCGATGGGCTGGGCAAACCTCTGGGGCCC ACCCCCAGCCAGAGCCGCTTCCAGGTGGACCCGGTTTCCGAGAACGCCGGGCGGGCCGCGGCTGCTGCAG CTGCAGCGGCGGCTGCGGCGGCTGCCGGGGCAGCGGGCAAGGAGACCCCCGCGGCTGGGAAAGCCGGCAC TGAGAGCGGCGTGGCCAAGGGCAGCGAGGAAGCCAAGGGCCGCTTCCGCGTGAACTTCGTGGACCCGGCT GCCTCCTCGTCGGCGGACGACAGCCTGTCGGATGCGGCGGGAGTCGGTGGCGACGGGCCCAACGTGAGCT CCCAGAACGGCGGGGACACGGTGCTGAGCGAGGGCAGCAGCCTGCACTCGGGTGGTGGCAGTGGACACCA CCAGCAGTACTACTATGACACCCACACCAACACTTACTACCTGCGCACCTTCGGCCACAACACCATGGAC GCGGTGCCCAGGATCGACCACTACCGGCACACGGCCGCGCAGCTGGGCGAGAAGCTGCTCCGGCCCAGCC TGGGAGAGTTCCACGATGAGCTGGAAAAGGAACCTTTTGAGGATGGTTTTGCGAATGGAGAAGAAAGTAC TCCAACCAGAGATGCTGTGGTCACATACACTGCCGAAAGTAAAGGAGTTGTAAAGTTTGGCTGGATCAAG GGTGTTTTAGTACGATGTATGTTGAATATTTGGGGTGTGATGCTCTTTATTCGATTGTCATGGATTGTGG GTCAGGCTGGAATAGGTCTCTCCGTTCTTGTAATAGCAATGGCCACTGTTGTGACAACCATCACAGGATT GTCTACTTCAGCAATAGCTACCAATGGATTCGTGAGAGGAGGAGGAGCATACTATTTAATCTCTAGAAGT CTAGGGCCAGAATTTGGCGGTGCGATTGGCTTGATCTTCGCTTTTCCCAATGCAGTGGCAGTTGCTATGT ATGTTGTTGGATTCGCAGAGACTGTAGTGGAGCTGCTTAAGGAACATTCCATACTTATGATAGATGAAAT CAATGACATCCGAATTATTGGAGCCATTACAGTGGTGGTTCTTCTGGGCATCTCAGTGGCCGGAATGGAG TGGGAAGCAAAGGCTCAGATCGTCCTTCTGGTGATTCTTCTTCTGGCCATCGCTGACTTCGTCATAGGAA CATTTATCTCACTGGACAGCAAGAAGCCCAAGGGTTTCTTTGGCTATAAATCTGAAATATTTAGTGAGAA CTTTGGACCGGATTTTCGAGAAGAAGAGACTTTCTTTTCTGTATTCGCCATCTTTTTTCCTGCTGCAACT GGTATTCTAGCTGGGGCGAACATCTCGGGTGACCTTGCAGATCCTCAGTCAGCCATACCCAAAGGAACGC

View online »

TCTTAGCCATTTTGATTACGACAGTGGTTTACATAGGAATCGCAGTGTCTGTAGGTTCTTGTGTTGTCCG
GGATGCCACTGGGAACGTTAATGACACCATTACAACAGAGCTAACTAACTGTACTTCTGCAGCCTGCAAA
TTAAACTTTGACTTTTCCTACTGTGAAAGCAACACCTGTTCTTATGGGCTAATGAACAACTTTCAGGTGA
TGAGCATGGTGTCAGGATTTGCACCCCTGATCTCTGCGGGTATCTTTTCAGCCACACTCTCATCAGCACT
GGCATCTCTTGTGAGTGCTCCCAAAATATTTCAGGCTCTATGTAAGGACAATATCTACCCAGCTTTCCAG
ATGTTTGCGAAAGGTTATGGAAAAAATAATGAACCTCTTCGTGGTTACATCTTAACATTCTTAATTGCAC
TTGGATTCATCTTAATTGCTGAATTGAATGTCATTGCTCCAATTATCTCTAATTTCTTTCTCGCATCATA
CGCCTTAATCAACTTTTCTGTATTCCATGCGTCACTTGCAAAGTCTCCAGGGTGGCGTCCTGCGTTCAAG
TACTACAACATGTGGATCTCCCTTACTGGAGCGATTCTCTGCTGCATAGTGATGTTCGTCATTAACTGGT
GGGCTGCACTGCTCACATATGTGATAGTTCTTGGACTGTACATTTATGTCACTTACAAAAAGCCAGATGT
GAACTGGGGATCCTCCACACAAGCGCTGACTTACCTCAGCGCACTGCAGCATTCAATCCGTCTTTCCGGG
GTGGAGGACCATGTGAAAAACTTCAGGCCACAGTGTCTTGTAATGACAGGTTCTCCAAACTCACGGCCTG
CTTTACTGCATCTTGTTCATGACTTCACGAAAAATGTTGGTTTAATGATCTGTGGCCATGTGCATATGGG
TCCCCGAAGACAAGCTATGAAAGAGATGTCCATTGATCAAGCCAAATATCAGCGATGGCTCATTAAAAAC
AAAATGAAGGCTTTCTACGCTCCGGTTCACGCAGATGACTTGCGGGAAGGTGCACAGTACCTGATGCAGG
CTGCTGGACTTGGTCGTATGAAACCAAACACACTTGTCCTCGGATTTAAGAAAGATTGGTTACAAGCAGA
TATGAGGGATGTGGATATGTATATAAACTTATTTCATGATGCTTTTGACATACAGTATGGAGTTGTGGTC
ATTCGCCTAAAGGAAGGACTGGATATATCACACCTCCAAGGACAAGAAGAATTATTGTCATCACAAGAAA
AGTCACCTGGTACCAAGGATGTGGTAGTAAATGTGGACTACAGTAAGAAGTCAGATCAAGATGCTTTCAA
AGCATCTGGTGAAAAACCTATTACACAGAAAGATGAGGAAGAGGATGGCAAGACTTCAACTCAGCCACTG
TTGAAAAAAGAATCCAAGGGCCCCGTGGCACCTTTAAATGTAGCTGACCAAAAGCTTCTTGAAGCTAGCA
CACAGTTTCAGAAAAAACAAGGGAAGAATACTATAGATGTCTGGTGGCTTTTTGATGATGGAGGTTTGAC
CTTGTTGATACCCTATCTTCTGACAACCAAGAAAAAGTGGAAAGATTGTAAGATCCGAGTATTCATTGGT
GGAAAGATAAACAGAATAGACCATGACCGGAGAGCGATGGCTACTTTACTCAGTAAATTCCGAATAGACT
TCTCCGATATCATGGTCCTAGGAGACATCAACACCAAACCAAAAAAGGAAAACATCGTCGCTTTTGATGA
CATGATTGAGCCATACAGACTTCACGAGGATGATAAAGAGCAGGATATTGCAGACAAAATGAAAGAGGAT
GAGCCCTGGCGCATCACAGACAACGAGCTGGAGCTCTACAAGACCAAGACATATCGGCAGATCAGGTTAA
ATGAATTATTAAAGGAGCATTCAAGCACAGCTAATATTATTGTCATGAGTCTTCCAGTTGCCCGGAAGGG
TGCTGTGTCCAGCGCGCTGTACATGGCTTGGTTAGAAGCTCTGTCTAAGGACCTGCCACCAATCCTGCTG
GTTCGTGGGAATCATCAGAGCGTCCTTACCTTCTACTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031798

Insert Size: 3612 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_031798.1, NP_113986.1
RefSeq Size:	6402 bp
RefSeq ORF:	3612 bp
Locus ID:	83629
Cytogenetics:	18q12.1
Gene Summary:	Na/K/2Cl cotransporter involved in maintainence of intracellular Cl(-) levels [RGD, Feb 2006]