

Product datasheet for MR211608

Slc12a4 (NM_009195) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a4 (NM_009195) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc12a4
Synonyms:	AW546649; KCC1; RBCKCC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211608 representing NM_009195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCACTTACCCTGGTGGCGGTGGACGGGCCGCGACGCGGCGACTATGACAACCTCGAGGGGCTCA
GTTGGGTGGACTACGGCGAGCGCCGAGCGGGAAGACTCGGACGGACAGGGTAACCACAGAGAGAATAG
CCCTTTCCTTTGCCCTTTGGACGCCTCCAGAGGAAATGACTACTATGACCGGAATTGGCACTGTTGAG
GAGGAGCTGGACATCCGCCAAAGGTGTCATCTCTCTGGCAAGCTTGTGAGCTATAACCAACCTCACCC
AAGGAGCCAAGGAGCACGAGGAGGCTGAGAGTGGAGAAGGTGGCCGACGAGAGCTGCCAAGGCTCCAG
CATGGGCACACTCATGGGAGTGTACCTGCCTGCCTGCAGAATATCTTTGGGGTCACTCTTCTCTGCGG
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CTGGCCTGCGTGATCATCTCCATCTTTCCATTTACGCGGGAGGCATCAAGTCCATTTTGGACCCCTCCG
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AGCAGGAACCTGGTGGTGGGCACCCTGGCCTGGCCTTCGCCTTGGGTCATCGTGGTTGGCTCCTTCTTCT
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 GTGGCGCGGCCGGAAGTCATCACCATCTATTCC

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Protein Sequence:

>MR211608 representing NM_009195
 Red=Cloning site Green=Tags(s)

MPHFTVVPVDGPRRGDYDNLLEGLSWVDYGERAEREDSDGQGNHRENSPFLCPLDASRGNDYYDRNLALFE
 EELDIRPKVSSLLGKLVSYTNLTQGAKEHEEAESGEGRRRAAKAPSMGTLMGVYLPCLQNI FGVILFLR
 L TWMVGTAGVLQALLIVLICCCCTLLTAISMSAIATNGVVPAGGSYFMISRSLGPEFGGAVGLCFYLGT
 FAAAMYILGAIEILLTYIAPPAIFYPSTGTHDMSATLNNMRVYGTIFLTLMTLVFVGVKVVNKFASLF
 LACVIIISILSIYAGGIKSFDPVFPVCM LGNRTL SRDQFDICAKTVVDNETVATRLWTF FCHSPNLTA
 DSCDPYFLLNNVTEIPGIPGAAAGVLQENLWSAYLEKGEVVEKHGLPSTDTLGLKESLSLYVADIATSF
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 FVSSWYYALVAML IAGMIYKYIEYQGAKEWGDGIRGLSL SAARYALLRLEEGPHTKNWRPQLLVLLKL
 DEDLHVKYPRLLTFASQLKAGKGLTIVG SVIQGSFLESYGEAQAAEQTIKNMMDIEKVKGFQV VVASKV
 REGLAHLIQSCGLGMRHNSVVLGWPYGRQSEDPRAWKTFIDTVRCTTAAHLALLVPKNIAFYPSNHER
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 QMTWTRDKYMAEPWDP SHAPDNFREL VHIKPDQSNVRRMHTAVKLN EIVTRSHDARLVLLNMPGPPKNS
 EGDENYMEFLEVLTEGLERVLLVRGGREVI TYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9027_b11.zip

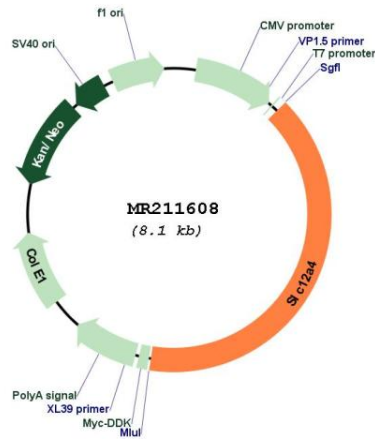
UniProt ID: [Q9JIS8](#)

Cytogenetics: 8 53.06 cM

MW: 121.1 kDa

Gene Summary: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211608