

Product datasheet for RC214868

SLC38A10 (NM_001037984) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A10 (NM_001037984) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC38A10
Synonyms:	PP1744
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214868 representing NM_001037984 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCGCGCCGCCCTCCAACCTGGGGGCTGATCACGAACATCGTGAACAGCATCGTAGGGGTCAGTG
TCCTACCATGCCCTTCTGCTTCAAACAGTGGGCATCGTCTGGGGGCGCTGCTCTTGGTCTTCTGCTC
ATGGATGACGCACCAGTCGTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGCGGAGGACCTACGCC
GGCCTGGCATTCCACGCCTACGGGAAGGCAGGCAAGATGCTGGTGGAGACCAGCATGATCGGGCTGATGC
TGGGCACCTGCATCGCCTTCTACGTCGTGATCGGCGACTTGGGGTCCAACCTCTTTGCCCGCTGTTCCGG
GTTTCAGGTGGGCGGCACCTTCCGCATGTTCTGCTGTTCCGCGTGTGCGTGTGCATCGTCTCCCGCTC
AGCCTGCAGCGGAACATGATGGCCTCCATCCAGTCCTTACGCGCCATGGCCCTCCTTCTACACCGTGT
TCATGTTCTGATCGTGTCTCCTCTCTCAAGCAGGCGCTTTCAGTGGGCAAGTGGTGGCGGGTTCAG
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GTGCTGCCACCTACGACAGCCTGGATGAGCCGTAGTGAACCATGAGCTCCATATTTGCTTCTCTCC
TTAATGTGGTACCACCTTCTACGTCATGGTGGGTTTTTCGGTACGTCAGCTTACCAGGCCCACGGC
CGGCAACGTGCTCATGCACCTTCCCTCCAACCTGGTACGGAGATGCTCCGTGTGGGCTTCATGATGCA
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AGCAAAAAGATGGCACCTTTCAGCAGGGGGCTACATGCCCTTCCGGTTTTAAAGCACTTACCCTCTC
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AGCCGAAGCTGCCAAGGAGAGAGAGGAGCTGGAGCAGGCCAGATCAAGGGGCCGTGGATGTGCTGG
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GTGGGCGAGGCCACCGCCACGAGCCTCCTGTTCTCACGACAAGGTGGTGGTAGATGAAGGCCAAGACC
 GAGAGGTGCCAGAAGAGAAACAACTCCATCCAGACACGCGGGCGGAAAGGCTCCAGGGGTCCAGGGCCA
 GATGGCGCCGCTCTGCCGACTCAGAAAGAGAGAAACAAGAGCCGGAGCAGGGAGAGGTTGGGAAGAGG
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 GGTCACTGGAGATGAGAAAGCCCGCGGGGGGACCATGTGCTGTGTCCACGAGCAGCCGAGAGGCG
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 GGGGGCCAGAGCCGGACAATGCCAAGCCCAACCGGGACCTGAAACTGCAAGGCTGGCTCCGACCTCCGG
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 GGGGGAGCTCTGCAGGTGGTCCACAGCCGCGAGCTTAGACAGGCGCCTGGGCTCCAGAGGAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214868 representing NM_001037984
 Red=Cloning site Green=Tags(s)

MTAAAASNWGLITNIVNSIVGVSVLTMPPCFKQCGIVLGALLLVFCSWMTHQSCMFLVKSASLSKRRTYA
 GLAFHAYGKAGKMLVETSMIGLMLGTICAFYVVIIGDLGSNFFARLFGFQVGGTFRMFLFAVSLCIVLPL
 SLQRNMMAISIQFSAMALLFYTFVFMFVIVLSSLKHGLFSGQWLRVSYVRWEGVFRCIPIFGMSFACQSQ
 VLPTYDSLDEPSVKTMSIFASSLNVVTFYVMVGFYVVSFTEATAGNVLMHFPSNLVTEMLRVGFMMSS
 VAVGFPMMILPCRQALSTLLCEQQQKDGTF AAGGYMPLRFKALTL SVVFGTMVGGIILIPNVETILGLTG
 ATMGSLICFICPALIYKIHKNALSSQVVLWVGLGVLVSVTVTTL SVSEEVPEDL AEEAPGGRLGEAEGL
 MKVEAARLSAQDPVVAVAEDGREPKLPKERELEQAQIKGPVDVPGREDGKEAPEEAQLDRPGQGI AVP
 VGEAHRHEPPVPHDKVVVDEGQDREVPEENKPPSRHAGGKAPGVQGMAPPLPDSEREKQEPEQGEVGR
 PGQAQALEEAGDLPEDPQKVPEADGQPAVQPAKEDLGPGRDLHPRPQAVLSEQQNLAVGGGEKAKGGP
 PPGNAAGDTGQPAEDSDHGGKPLPAEKPAPGGLPPEPREQRDVERAGGNQAASQLEEAGRAEMLDHAV
 LLQVIKEQQVQKRLLDQEKLLAVIEEQHKEIHQQRQEDEEDKPRQVEVHQPAAVPRGQEAPEGKAR
 ETVENLPLPLDPVLRAPGGRPAPSQDLNQRSLHSEGPVGRDPAGPPDGGPDTEPRAAQAKLRDQKDA
 APRAAGTVKELPKGPEQVPVPDPAREAGGPEERLAEFPQSQDVTGGSQDRKKPKGEVAATGTSILKEA
 NWLVAGPGAETGDPMPKPKQVSRDLGLAADLPGGAEAAAQPAVLRQPEL RVI SDGEQGGQGHRLDHG
 GHLEMRKARGGDHVPVSHEQPRGGEDA AVQEPQRPEPELGLKRAVPGGQRPDNAKPNRDLKLQAGSDLR
 RRRRDLGPHAEGQLAPRDGVIIGLNPLPDVQVNDLRGALDAQLRQAAGGALQVVHSRQLRQAPGPPEES

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037984

ORF Size: 3357 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001037984.3](#)

RefSeq Size: 4303 bp

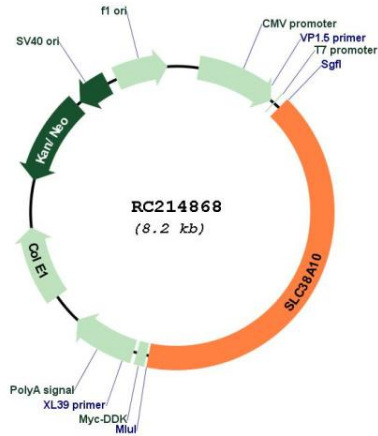
RefSeq ORF: 3360 bp

Locus ID: 124565

UniProt ID: [Q9HBR0](#)

Cytogenetics: 17q25.3
 Protein Families: Transmembrane
 MW: 119.6 kDa
 Gene Summary: Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214868