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Product datasheet for MC223564

Slc12a6 (NM_133648) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a6 (NM_133648) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc12a6
Synonyms:	9530023I19Rik; gaxp; KCC3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223564 representing NM_133648 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCGCACTTCACTGTGACCAAGGTAGAAGACCCAGAGGAGGGGGCAGCTGGCCCCCTCTCTCCTGAGC CCAGCTCAGCAGAAGTAAAAGCCCGGATTCAGGATCCCCAAGAACCAGACCCGAGTCAGAACTCCATCAC AGGGGAGCACAGCCAGCTGTTAGATGACGGCCATAAAAAAGCCCGAAATGCTTATCTCAATAATTCCAAC TATGAAGAAGGAGACGAATATTTTGATAAAAATTTGGCACTCTTTGAGGAAGAAATGGACACCAGACCAA AGGTGTCTTCTCTCCTCAACCGCATGGCCAACTATACAAATCTGACACAAGGAGCAAAGGAACATGAAGA GGCAGAGAACATCACTGAAGGGAAAAAGAAGCCTACCAAGAGCCCCCAAATGGGTACTTTCATGGGTGTC TACCTCCCATGTCTACAGAACATCTTTGGAGTGATCCTCTTCCTGCGTCTTACCTGGGTAGTGGGAACAG CTGGAATCCTTCAGGCCTTTGCAATTGTCCTCATCTGCTGCTGCTGTACAATGTTAACTGCCATCTCCAT GAGCGCCATCGCCACTAACGGAGTGGTGCCAGCTGGGGGCTCATACTTCATGATTTCCAGAGCCCTGGGC CCAGAGTTTGGCGGGGCTGTAGGCCTCTGCTTTTATCTTGGCACCACATTTGCAGCAGCCATGTATATTC TTGGTGCCATTGAAATCTTTCTGGTATACATTGTCCCCCGAGCTGCCATCTTTCGGAGTGACGATGCACT CAAGGAGTCAGCAGCTATGCTGAACAACATGCGCGTCTATGGTACAGCCTTCTTGGTCCTCATGGTCTTG GTGGTATTCATCGGCGTACGCTATGTGAATAAGTTTGCCTCACTCTTCCTGGCCTGTGTAATTGTGTCGA TCTTGGCTATCTATGCTGGTGCCATCAAGTCTTCCTTTGCTCCACCACACTTCCCGGTCTGTATGCTGGG CAACCGTACCCTGTCATCAAGACACCTTGACATTTGCTCTAAGACCAAGGAGGTTGACAACATGACAGTA CCATCAAAGTTATGGGGATTCTTCTGCAACTCGAGTCAGTTCTTTAATGCCACCTGTGATGAGTACTTTG TTCACAATAACGTCATCTCAATCCAAGGCATTCCAGGGTTGGCTAGTGGTATCATTACTGAAAATCTTTG GAGTAATTATTTACCAAAGGGTGAGATAATTGAAAAGCCATCAGCCAAGTCATCTGATGTCTTAGGCAAC TTAAACCATGAATATGTTCTTGCTGATATCACCACCTCCTTCACTCTGCTGGTGGGGATCTTCTTTCCCT CGGTCACAGGTATCATGGCTGGGTCAAACAGATCTGGAGATCTGAAAGATGCCCAGAAGTCTATTCCCAT TGGGACCATCCTTGCCATCCTGACCACATCCTTTGTGTATTTAAGCAATGTTGTCCTTTTTGGTGCATGT ATTGAAGGAGTCGTTCTCAGAGACAAATTTGGGGATGCTGTAAAAGGGAATTTGGTTGTAGGCACCTTAT

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CCTGGCCATCCCCGTGGGTGATCGTTATTGGCTCCTTCTTTTCAACATGTGGGGCTGGGCTGCAGAGCCT
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TAGAAGTGCTCACTGAGGGATTAGAACGAGTCCTTCTTGTCCGGGGTGGTGGCAGTGAGGTCATCACCAT
TTACTCATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133648

Insert Size: 3300 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_133648.2, NP_598409.2

RefSeq Size:	5970 bp
RefSeq ORF:	3300 bp
Locus ID:	107723
Cytogenetics:	2 E3
Gene Summary:	Mediates electroneutral potassium-chloride cotransport. May be activated by cell swelling. May contribute to cell volume homeostasis in single cells.[UniProtKB/Swiss-Prot Function]