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Product datasheet for SC337318

SLC9A7 (NM_001257291) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC9A7
Synonyms:	MRX108; NHE-7; NHE7; SLC9A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001257291, the custom clone sequence may differ by one or more nucleotides

ATGGAGCCTGGTGACGCGGCGCGCCCTGGCTCGGGTCGGGCTACCGGGGCGCCGCCGCCGCGGCTGCTGC
TGCTGCCGCTGCTGCTGGGTTGGGGGCTGCGAGTCGCGGCCGCGGCCTCGGCCTCCTCCTCTGGGGCGGC
GGCGGAGGACAGCAGCGCCATGGAGGAGCTCGCTACTGAGAAGGAGGCGGAGGAGAGCCACCGGCAAGAC
AGCGTGAGCCTGCTCACCTTCATCCTGCTGCTCACGCTCACCATCCTCACCATCTGGCTCTTCAAGCACC
GCCGGGTGCGCTTTCTGCACGAGACCGGGCTGGCCATGATCTATGGGCTCATCGTTGGGGTGATCCTGAG
GTATGGTACCCCTGCTACCAGTGGCCGTGACAAATCACTCAGCTGCACTCAGGAAGACAGGGCCTTCAGT
ACCTTATTAGTGAATGTCAGCGGAAAGTTCTTCGAATACACTCTGAAAGGAGAAATCAGTCCTGGCAAGA
TCAACAGCGTAGAGCAGAATGATATGCTACGGAAGGTAACATTCGATCCAGAAGTATTTTTCAACATTCT
TCTGCCTCCAATTATTTTTCATGCTGGATACAGCTTAAAGAAGAGACACTTTTTCAGAAATCTTGGATCT
ATACTGGCCTATGCCTTCTTGGGGACTGCTGTTTCATGCTTCATTATTGGAAATCTCATGTATGGTGTGG
TGAAGCTCATGAAGATTATGGGACAGCTCTCAGATAAATTTTACTACACAGATTGTCTCTTTTTTGGAGC
AATCATCTCTGCCACTGACCCAGTGACTGTGCTGGCGATATTTAATGAATTGCATGCAGACGTGGATCTT
TACGCACTTCTTTTTGGAGAGAGCGTCCTAAATGATGCTGTTGCCATTGTACTGTCCTCGTCTATTGTTG
CCTACCAGCCAGCGGGACTGAACACTCACGCCTTTGATGCTGCTGCCTTTTTTAAGTCAGTTGGCATTTT
TCTAGGTATATTTAGTGGCTCTTTTACCATGGGAGCTGTGACTGGTGTTGTGACTGCTCTAGTGACTAAG
TTTACCAAACTGCACTGCTTCCCCCTGCTGGAGACGGCGCTGTTCTTCCTCATGTCCTGGAGCACGTTTC
TCTTGGCAGAAGCCTGCGGATTTACAGGTGTTGTAGCTGTCCTTTTCTGTGGAATCACACAAGCTCATTA
CACCTACAACAATCTGTCGGTGGAATCAAGAAGTCGAACCAAGCAGCTCTTTGAGGTGTTACATTTCCTG
GCAGAGAACTTCATCTTCTCCTACATGGGCCTGGCACTGTTTACCTTCCAGAAGCACGTTTTCAGCCCCA
TTTTCATCATCGGAGCTTTTGTTGCCATCTTCCTGGGCAGAGCCGCGCACATCTACCCGCTCTCCTTCTT
CCTCAACTTGGGCAGAAGGCATAAGATTGGCTGGAATTTTCAACACATGATGATGTTTTCAGGCCTCAGG
GGAGCAATGGCATTTGCGTTGGCCATCCGTGACACGGCATCCTATGCTCGCCAGATGATGTTCACGACCA
CCCTTCTCATTGTGTTCTTCACTGTCTGGATCATTGGAGGAGGCACGACACCCATGTTGTCATGGCTTAA
CATCAGAGTTGGCGTCGAGGAGCCCTCCGAAGAGGACCAGAATGAACACCACTGGCAGTACTTCAGAGTT
GGTGTTGACCCCGATCAAGACCCACCACCCAACAACGACAGCTTTCAAGTCTTACAAGGGGACGGCCCAG
ATTCTGCCAGAGGAAACCGGACAAAACAGGAGAGCGCATGGATATTCAGGCTGTGGTACAGCTTTGATCA
CAATTACCTGAAGCCCATCCTCACACACAGTGGTCCCCCACTAACCACCACGCTCCCCGCCTGGTGTGGC
TTACTAGCTCGATGTCTGACCAGTCCCCAGGTGTACGATAACCAAGAGCCACTGAGAGAGGAAGACTCTG
ATTTCATCCTGACCGAAGGCGACCTGACATTGACCTACGGGGACAGCACAGTGACTGCAAATGGCTCCTC
AAGTTCGCACACCGCCTCCACGAGTCTGGAGGGCAGCCGGAGAACGAAGAGCAGCTCGGAGGAAGTGCTG
GAGCGAGACCTGGGAATGGGAGACCAGAAGGTTTCGAGCCGGGGCACCCGCCTAGTGTTTCCCCTGGAAG
ATAATGCTTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001257291

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001257291.1, NP_001244220.1
RefSeq Size:	10041 bp
RefSeq ORF:	2181 bp
Locus ID:	84679
Cytogenetics:	Xp11.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a sodium and potassium/ proton antiporter that is a member of the solute carrier family 9 protein family. The encoded protein is primarily localized to the trans-Golgi network and is involved in maintaining pH homeostasis in organelles along the secretory and endocytic pathways. This protein may enhance cell growth of certain breast tumors. This gene is part of a gene cluster on chromosome Xp11.23. A pseudogene of this gene is found on chromosome 12. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.