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Product datasheet for SC332989

SLC5A10 (NM_001270648) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: SLC5A10 (NM_001270648) Human Untagged Clone

Tag: Tag Free

Symbol: SLC5A10

Synonyms: SGLT-5; SGLT5

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332989 representing NM_001270648.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCGCCAACTCCACCAGCGACCTCCACACTCCCGGGACGCAGCTGAGCGTGGCTGACATCATCGTC
ATCACTGTGTATTTTGCTCTGAATGTGGCCGTGGGCATATGGTCCTCTTGTCGGGCCAGTAGGAACACG
GTGAATGGCTACTTCCTGGCAGGCCGGGACATGACGTGGTGGCCGATTGGAGCCTCCCTCTTCGCCAGC
AGCGAGGGCTCTGGCCTCTTCATTGGACTGGCGGGCTCAGGCGCGGCAGGAGGTCTGGCCGTGGCAGGC
TTCGAGTGGAATGCCACGTACGTGCTGCTGGCACTGGCATGGGTGTTCGTGCCCATCTACATCTCCTCA
GAGATCGTCACCTTACCTGAGTACATTCAGAAGCGCTACGGGGGCCAGCGGATCCGCATGTACCTGTCT
GTCCTGTCCCTGCTACTGTCTGTCTTCACCAAGATATCGCTGGACCTGTACGCGGGGGCTCTGTTTGTG
CACATCTGCCTGGGCTGGAACTTCTACCTCTCCACCATCCTCACGCTCGGCATCACAGCCCTGTACACC
ATCGCAGCTTTTGACCAGATCGGTGGTTACGGGCAGCTGGAGGCAGCCTACGCCCAGGCCATTCCCTCC
AGGACCATTGCCAACACCACCTGCCACCTGCCACGTACAGACGCCATGCACATGTTTCGAGACCCCCAC
ACAGGGGACCTGCCGTGGACCGGGATGACCTTTGGCCTGACCATCATGGCCACCTGGTACTGGTGCACC
GACCAGGTCATCGTGCAGCGATCACTGTCAGCCCGGGACCTGAACCATGCCAAGGCGGGCTCCATCCTG
GCCAGCTACCTCAAGATGCTCCCCATGGGCCTGATCATCATGCCGGGCATGATCAGCCGCGCATTGTTC
CCAGATGATGTGGGCTGCGTGGTGCCGTCCGAGTGCCTGCGGGCCTGCGGGGCCGAGGTCGGCTGCTCC
AACATCGCCTACCCCAAGCTGGTCATGGAACTGATGCCCATCGGTCTGCGGGGGCTGATGATCGCAGTG
ATGCTGGCGGCGCTCATGTCGTCGCTGACCTCCATCTTCAACAGCAGCAGCACCCTCTTCACTATGGAC
ATCTGGAGGCGGCTGCGTCCCCGCTCCGGCGAGCGGGAGCTCCTGCTGGTGGGACGGCTGGTCATAGTG
GCACTCATCGGCGTGAGTGTGGCCTGGATCCCCGTCCTGCAGGACTCCAACAGCGGGCAACTCTTCATC
TACATGCAGTCAGTGACCAGCTCCCTGGCCCCACCAGTGACTGCAGTCTTTGTCCTGGGCGTCTTCTGG
CGACGTGCCAACGAGCAGGGGGCCTTCTGGGGCCTGATAGCAGGGCTGGTGGTGGGGGCCACGAGGCTG
GTCCTGGAATTCCTGAACCCAGCCCCACCGTGCGGAGAGCCAGACACGCGGCCAGCCGTCCTGGGGAGC
ATCCACTACCTGCACTTCGCTGTCGCCCTCTTTGCACTCAGTGGTGCTGTTGTGGTGGCTGGAAGCCTG
CTGACCCCACCCCCACAGAGTGTCCAGATTGAGAACCTTACCTGGTGGACCCTGGCTCAGGATGTGCCC
TTGGGAACTAAAGCAGGTGATGGCCAAACACCCCAGAAACACGCCTTCTGGGCCCGTGTCTGTGGCTTC
AATGCCATCCTCCTCATGTGTGTCAACATATTCTTTTATGCCTACTTCGCCTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001270648

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Insert Size:	1710 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_001270648.1
RefSeq Size:	2011 bp
RefSeq ORF:	1710 bp
Locus ID:	125206
UniProt ID:	A0PJK1
Cytogenetics:	17p11.2
Protein Families:	Transmembrane
MW:	61.6 kDa
Gene Summary:	This gene is a member of the sodium/glucose transporter family. Members of this family are sodium-dependent transporters and can be divided into two subfamilies based on sequence homology, one that co-transports sugars and the second that transports molecules such as ascorbate, choline, iodide, lipoate, monocaroboxylates, and pantothenate. The protein encoded by this gene has the highest affinity for mannose and has been reported to be most highly expressed in the kidney. This protein may function as a kidney-specific, sodium-dependent mannose and fructose co-transporter. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (3) lacks an alternate in-frame exon and uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.