

Product datasheet for **SC305700**

SLC5A11 (NM_052944) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A11 (NM_052944) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC5A11
Synonyms:	KST1; RKST1; SGLT6; SMIT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>OriGene sequence for NM_052944 edited <pre> AGGACCATGGAGAGCGGCACAGCAGCCCTCAGCCTCCACAGTTAGATCCCCTGGATGCG TTTCCCCAGAAGGGCTTGGAGCCTGGGGACATCGCGGTGCTAGTTCTGTACTTCTCTTT GTCCTGGCTGTTGGACTATGGTCCACAGTGAAGACCAAGAGACACAGTGAAAGGCTAC TTCCTGGCTGGAGGGGACATGGTGTGGTGGCCAGTGGGTGCATCCTTGTTTGCCAGCAAT GTTGGAAGTGGACATTTTCATTGGCCTGGCAGGGTCAGGTGCTGCTACGGGCATTTCTGTA TCAGCTTATGAACCTAATGGCTTGTTTTCTGTGCTGATGTTGGCCTGGATCTTCCTACCC ATCTACATTGCTGGTCAGGTCACCACGATGCCAGAATACCTACGGAAGCGCTTCGGTGGC ATCAGAATCCCCATCATCTGGCTGTACTCTACCTATTTATCTACATCTTCACCAAGATC TCGGTAGACATGTATGCAGGTGCCATCTTCATCCAGCAGTCTTTCACCTGGATCTGTAC CTGGCCATAGTTGGGCTACTGGCCATCACTGCTGTATACACGGTTGCTGGTGGCCTGGCT GCTGTGATCTACACGGATGCCCTGCAGACGCTGATCATGCTTATAGGAGCGCTCACCTTG ATGGGCTACAGTTTCGCCGCGGTTGGTGGGATGGAAGGACTGAAGGAGAAGTACTTCTTG GCCCTGGCTAGCAACCGGAGTGAGAACAGCAGCTGCGGGCTGCCCGGGAAGATGCCTTC CATATTTCCGAGATCCGCTGACATCTGATCTCCCGTGGCCGGGGTCTATTTGGAATG TCCATCCCATCCCTCTGCTACTGGTGCACGGATCAGGTGATTGTCCAGCGGACTCTGGCT GCCAAGAACCTGTCCCATGCCAAGGAGGTGCTCTGATGGCTGCATACCTGAAGGTGCTG CCCCTCTTCATAATGGTGTTCCTGGGATGGTCAGCCGCATCCTCTTCCAGATCAAGTG GCCTGTGCAGATCCAGAGATCTGCCAGAAGATCTGCAGCAACCCCTCAGGCTGTTCCGGAC ATTGCGTATCCAAACTCGTGCTGGAACCTCGCCACAGGGCTCCGTGGGCTGATGATG GCTGTGATGGTGGCGGCTCTCATGTCTCCCTCACCTCCATCTTTAACAGTGCCAGCACC ATCTTCACCATGGACCTCTGGAATCACCTCCGGCTCGGGCATCTGAGAAGGAGCTCATG ATTGTGGCAGGGTGTGTTGCTGCTGCTGGTCTGCTCCATCCTCTGGATCCCTGTG GTCAGGCCAGCCAGGGCGGCCAGCTCTTCATCTATATCCGGTCCATCAGCTCCTACCTG CAGCCGCCTGTGGCGGTGGTCTTCATCATGGGATGTTTCTGGAAGAGGACCAATGAAAAG GGTGCCTTCTGGGGCCTGATCTCGGGCCTGCTCCTGGGCTTGGTAGGCTGGTCTGGAC TTTATTTACGTGCAGCCTCGATGCGACCAGCCAGATGAGCGCCCGGTCTGGTGAAGAGC ATTCACCTACCTCTACTTCTCCATGATCCTGTCCACGGTACCCTCATCACTGTCTCCACC GTGAGCTGGTTCACAGAGCCACCCTCAAGGAGATGGTCAGCCACCTGACCTGGTTTACT CGTCACGACCCCGTGGTCCAGAAGGAACAAGCACCACCAGCAGCTCCCTTGCTCTTACC CTCTCTCAGAACGGGATGCCAGAGGCCAGCAGCAGCAGCAGCGTCCAGTTCGAGATGGTT CAAGAAAACACGTCTAAACCCACAGCTGTGACATGACCCCAAAGCAGTCCAAAGTGGTG AAGGCCATCCTGTGGCTCTGTGGAATACAGGAGAAGGGCAAGGAAGAGTCCCGGCCAGA GCAGAAGCCATCATAGTTTCCCTGGAAGAAAACCCCTTGGTGAAGACCCTCCTGGACGTC AACCTCATTTTCTGCGTGAGCTGCGCCATCTTTATCTGGGGCTATTTTGCTTAGT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_052944
Insert Size:	2000 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).
OTI Annotation:	The ORF of this clone is found to be a good match to NM_052944.2 except for one 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:	<u>NM_052944.2, NP_443176.2</u>
RefSeq Size:	2384 bp
RefSeq ORF:	2028 bp
Locus ID:	115584
UniProt ID:	<u>Q8WWX8</u>
Cytogenetics:	16p12.1
Gene Summary:	Cotransporters, such as SLC5A11, represent a major class of proteins that make use of ion gradients to drive active transport for the cellular accumulation of nutrients, neurotransmitters, osmolytes, and ions Roll et al. (2002) [PubMed 12039040].[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longest isoform (1).