

Product datasheet for **SC330682**

SLC5A11 (NM_001258414) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC5A11 (NM_001258414) Human Untagged Clone
Tag: Tag Free
Symbol: SLC5A11
Synonyms: KST1; RKST1; SGLT6; SMIT2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330682 representing NM_001258414.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGGTGTGGTGGCCAGTGGGTGCATCCTTGTGTTGCCAGCAATGTTGGAAGTGGACATTTTCATTGGCCTG
GCAGGGTCAGGTGCTGCTACGGGCATTTCTGTATCAGCTTATGAACCTAATGGCTTGTGTTCTGTGCTG
ATGTTGGCCTGGATCTTCTACCATCTACATTGCTGGTCAGGTACACGATGCCAGAATACCTACGG
AAGCGCTTCGGTGGCATCAGAATCCCATCATCTGGCTGTACTCTACCTATTTATCTACATCTTCACC
AAGATCTCGGTAGACATGTATGCAGGTGCCATCTTCATCCAGCAGTCTTGCACCTGGATCTGTACCTG
GCCATAGTTGGGCTACTGGCCATCACTGCTGTATACACGGTTGCTGGTGGCCTGGCTGCTGTGATCTAC
ACGGATGCCCTGCAGACGCTGATCATGCTTATAGGAGCGCTCACCTTGATGGGCTACAGTGATTGTCCA
GCGGACTCTGGCTGCCAAGAACCTGTCCCATGCCAAAGGAGGTGCTCTGATGGCTGCATACCTGAAGGT
GCTGCCCTCTTCATAATGGTGTTCCTGGGATGGTCAGCCGCATCCTCTTCCAGATCAAGTGGCCTG
TGCAGATCCAGAGATCTGCCAGAAGATCTGCAGCAACCCCTCAGGCTGTTGCGACATCGCGTATCCCAA
ACTCGTCTGGAACCTCTGCCACAGTGCCAGCACCATCTTCACCATGGACCTCTGGAATCACCTCCGG
CCTCGGCATCTGAGAAGGAGCTCATGATTGTGGGCAGGTGTTGTGCTGCTGCTGGTCTGGTCTCC
ATCCTCTGGATCCCTGTGGTCCAGGCCAGCCAGGGCGGCCAGCTCTTCATCTATATCCAGTCCATCAGC
TCCTACCTGCAGCCGCTGTGGCGGTGGTCTTCATCATGGATGTTTCTGGAAGAGGACCAATGAAAAG
GGTGCCTTCTGGGCGCTGATCTCGGGCCTGCTCCTGGGCTTGTTAGGCTGGTCTGGACTTTATTAC
GTGCAGCCTCGATGCGACCAGCCAGATGAGCGCCCGGTCTGGTGAAGAGCATTCACTACCTCTACTTC
TCCATGATCCTGTCCACGGTCACCCTCATCACTGTCTCCACCGTGAGCTGGTTCACAGAGCCACCCTCC
AAGGAGATGGTCAGCCACCTGACCTGGTTTACTCGTCACGACCCCGTGGTCCAGAAGGAACAAGACCA
CCAGCAGCTCCCTTGTCTCTTACCCTCTCTCAGAACGGGATGCCAGAGGCCAGCAGCAGCAGCAGCGTC
CAGTTCGAGATGGTTCAAGAAAACAGTCTAAAACCCACAGCTGTGACATGACCCCAAAGCAGTCCAAA
GTGGTGAAGGCCATCCTGTGGCTCTGTGGAATACAGGAGAAGGGCAAGGAAGAGCTCCCGCCAGAGCA
GAAGCCATCATAGTTTCCCTGGAAGAAAACCCCTTGGTGAAGACCCTCCTGGACGTCAACCTCATTTTC
TGCGTGAGCTGCGCCATCTTTATCTGGGCTATTTTGCTTAG
  
```

Restriction Sites: SgfI-MluI
ACCN: NM_001258414
Insert Size: 1560 bp


[View online »](#)

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:	<u>NM_001258414.1</u>
RefSeq Size:	2077 bp
RefSeq ORF:	1560 bp
Locus ID:	115584
UniProt ID:	<u>Q8WWX8</u>
Cytogenetics:	16p12.1
MW:	57.1 kDa
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 (5) has multiple differences, including the use of a downstream start codon and a transient frameshift in the coding region, compared to variant 1. The encoded isoform (5) is shorter than isoform 1.