

Product datasheet for **SC304066**

SLC5A4 (NM_014227) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A4 (NM_014227) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC5A4
Synonyms:	DJ90G24.4; SAAT1; SGLT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_014227 edited
 CCATGGCCAGTACGGTTAGCCCCAGCACCATAGCTGAGACCCAGAGCCACCTCCATTGT
 CTGACCACATCCGAAATGCTGCTGACATCTCAGTCATTGTCTATCTATTTTCTGGTGGTGA
 TGGCTGTTGGGCTGTGGGCGATGCTGAAGACCAACCGAGGTAATAAGGAGGCTTCTTCC
 TCGCTGGTCGTGATATGGCCTGGTGGCCGATGGGCGCCTCTCTTTGCCAGTAACATCG
 GCAGCAACCACTATGTGGGGCTGGTGGACAGGAGCAGCTTCAGGAGTCGCCACCGTAA
 CATTGGAATGGACTTCTCAGTAATGTTGCTGATTCTTGGGTGGATCTTTGTCCCTATCT
 ACATCAAGTCGGGGTGATGACCATGCCGGAATATCTCAAGAAGCGGTTTGGTGGGGAGC
 GACTCCAGGTCTACCTCTCCATCCTCTCCCTCTTCATCTGTGTGGTTTTGTAAATTTCTG
 CAGACATATTTGCTGGAGCCATATTCATCAAGCTGGCCTTGGGATTGGACCTTTACCTGG
 CAATCTTCATCCTCTTGGCTATGACTGCTGTTTACACCACCACTGGGGGCTTGGCCTCGG
 TGATTTACACAGACACCCTCCAGACCATCATCATGCTGATTGGCTCTTTTATTCTCATGG
 GGTGTTGCAATTAACGAAGTTGGAGTTATGAGAGCTTTACCGAGAAGTACGTGAATGCCA
 CCCCATCCGTAGTCGAGGGGACAACCTTGACAATCAGTGCCAGTTGCTACACACCTCGGG
 CGGACTCCTTCCATATCTCCGAGATGCTGACTGGGGACATTCATGGCCAGGAATTA
 TATTTGGAATGCCATTACAGCTTTGTGGTACTGGTGCACAAATCAGGTCAATGTGCAGC
 GCTGCCTGTGTGGCAAGGACATGTCTCACGTGAAGGCCGCTTGCATTATGTGTGCTTACC
 TGAAGCTGCTGCCCATGTTCTCATGGTATGCCGGGATGATCAGCCGCATCCTGTACA
 CAGATATGGTAGCATGTGTGGTACCTTCTGAATGCGTGAAACACTGTGGCGTTGATGTTG
 GCTGCACCAACTACGCATACCCACGATGGTGTGGAAGTATGCCCCAAGGACTGCGAG
 GCCTGATGCTTTCCGTCATGCTGGCCTCTCTCATGAGCTCCCTGACCTCCATCTTCAACA
 AAGAGCTCCTGATAGCTGGACGGATATTTGTTCTTCTATTAAGTGTGTGAGCATTGTGT
 GGGTCCCAGTGGTACAAGTTTCTCAAAATGGACAATAATCCATTACACAGAATCAATTT
 CTAGCTACCTTGGCCTCCAATTGCAGCTGTCTTTGTGCTTGCCATCTTCTGTAAGAGG
 TCAATGAACAGGGAGCATTCTGGGGTCTAATGGTTGGACTTGCAATGGGCCTCATTGTA
 TGATAACAGAGTTTGCTTATGGAACAGGGAGTTGCTTGGCTCCCAGTAAGTCCCAAGA
 TTATCTGTGGAGTGCATCTGTACTTTTCCATCGTTCTCTTTTTGGGTCCATGCTGG
 TCACCCTGGGAATTTCCCTTAAACAAAACCCATTCTGATGTACATCTGTACCGCCTGT
 GCTGGGTTCTTCGGAACAGTACAGAGGAGCGAATCGATATAGATGCAGAAGAGAAAAGTC
 AGGAAGAAACAGATGATGGTGTGAAGAAGATTATCCTGAGAAATCACGTGGATGCCTCA
 AGAAAGCTTATGACTTGTCTGCGGTTTGCAGAAGGGACCAAGCTAACCAAGGAGGAGG
 AGGAAGCCTTGAGCAAGAAGCTCACAGACACGTCTGAGAGGCCCTCGTGGAGGACAAATG
 TGAACATCAACGCCATCCTCCTCTGGCTGTGGTGGTCTTATTACGGCTACTATGCT
 AA

Restriction Sites: Please inquire

ACCN: NM_014227

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 has been fully sequenced and found to be a perfect match to NM_014227.1.

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:	<ol style="list-style-type: none">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_014227.1 , NP_055042.1
RefSeq Size:	2043 bp
RefSeq ORF:	1980 bp
Locus ID:	6527
UniProt ID:	Q9NY91
Cytogenetics:	22q12.3
Protein Families:	Transmembrane
Gene Summary:	Has electrogenic activity in response to glucose, and may function as a glucose sensor (PubMed:13130073, PubMed:17110502, PubMed:20421923, PubMed:22766068). Mediates influx of sodium ions into the cell but does not transport sugars (PubMed:13130073, PubMed:22766068). Also potently activated by imino sugars such as deoxynojirimycin (DNJ) (PubMed:17110502, PubMed:20421923, PubMed:22766068).[UniProtKB/Swiss-Prot Function]