

Product datasheet for **SC305982**

SLC26A7 (NM_134266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A7 (NM_134266) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC26A7
Synonyms:	SUT2
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_134266 edited
 ATGACAGGAGCAAAGAGGAAAAAGAAAAGCATGCTTTGGAGCAAGATGCATACCCCCAG
 TGTGAAGACATTATACAGTGGTGTAGAAGGCGACTGCCCATTTTGGATTGGGCACCACAT
 TACAATCTGAAAGAAAACCTTGCTCCAGACACTGTGTCTGGGATAATGTTGGCAGTTCAA
 CAGGTGACCCAAGGATTGGCCTTTGCTGTTCTCTCATCTGTGCACCCAGTGTGGTTTA
 TATGGGTCTCTGTTTCTGCCATAATTTATGCCATATTTGGAATGGGACATCATGTTGCC
 ACAGGCACCTTTGCCTTGACATCCTTAATATCAGCCAACGCCGTGGAACGGATTGTCCCT
 CAGAACATGCAGAATCTCACACACAGAGTAACACAAGCGTGCTGGGCTTATCCGACTTT
 GAAATGCAAAGGATCCAGTTGCTGCAGCAGTTTCCTTCTGGGAGGTGTGATTACAGGTG
 GCCATGTTTGTGCTGCAACTGGGCAGTGCCACATTTGTGGTCACAGAGCCTGTGATCAGC
 GCAATGACAACCTGGGCTGCCACCCATGTGGTGACTTCACAAGTCAAATATCTCTTGGGA
 ATGAAAATGCCATATATATCCGGACCACTTGATTCTTTTATATTTATGCATATGTTTTT
 GAAAACATCAAGTCTGTGCGACTGGAAGCATTGCTTTTATCCTTGCTGAGCATTGTGGTC
 CTTGTTCTTGTTAAAGAGCTGAATGAACAGTTTAAAAGGAAAATTAAGTTGTTCTTCT
 GTAGATTTAGTTTGTATTGCTGCATATTTGCTTGTATTGCACCAATATGAAAAAC
 ACATATGGATTAGAAGTAGTTGGTCATATTCACAAGGAATCCCTCACCTAGAGCTCCC
 CCGATGAACATCCTCTCTGCGGTGATCACTGAAGCTTTCGGAGTGGCACTTGTAGGCTAT
 GTGGCCTCACTGGCTCTTGTCAAGGATCTGCCAAAAATTCAAATATTCAATTGATGAC
 AACCAGGAATTTTGGCCATGGCCTCAGCAATATAGTTTCTTCATTTTCTTCTGCATA
 CCAAGTGTCTGCCATGGGAAGGACGGCTGGCCTGTACAGCACAGGAGCGAAGACACAG
 GTGGCTGTCTAATATCTTGCAATTTTCGTCCTTATAGTCATCTATGCAATAGGACCTTTG
 CTTTACTGGCTGCCATGTGTCTTGAAGCATTATTGTTGTGGGACTGAAGGGAATG
 CTAATACAGTCCGAGATTTAAAAAATATTGGAATGTGGATAAAATCGATTGGGGAATA
 TGGGTCAGTACATATGTATTTACAATATGCTTTGCTGCCAATGTGGGACTGCTGTTTGGT
 GTTGTGTTGACCATAGCTATAGTGATAGGACGTTCCCAAGAGCAATGACTGTAAGTATA
 AAAAATATGAAAGAAATGGAATTTAAAGTGAAGACAGAAATGGACAGTGAACCCCTGCAG
 CAGGTGAAAATATCTCAATAAACAACCCGCTTGTTCCTGAATGCAAAAAATTTTAT
 ACTGATTTAATGAACATGATCCAAAAGGAAAATGCCTGTAATCAGCCACTTGATGATATC
 AGCAAGTGTGAACAAAACACATTGCTTAATCCCTATCCAATGGCAACTGCAATGAAGAA
 GCTTCACAGTCTGCCCTAATGAGAAGTGTATTTAATCCTGGATTGCAGTGGATTTACC
 TTTTTGACTATTCTGGAGTCTCCATGCTTGTGAGGTTTACATGGACTGTAAGGCAGG
 AGTGTGGATGATTGTTAGCCCATTGTACAGCTTCCTTGATAAAAGCAATGACGTATTAT
 GGAAACCTAGACTCAGAGAAACCAATTTTTTTGAATCGGTATCTGCTGCAATAAGTCAT
 ATCCATTCAAATAAGGCCAGTTATAAACTGTTGTTGATAACTTGGATCTTCCAACAATG
 CCACCGCTCTGA

Restriction Sites: Please inquire

ACCN: NM_134266

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_134266.1](#), [NP_599028.1](#)

RefSeq Size: 2677 bp

RefSeq ORF: 1992 bp

Locus ID: 115111

UniProt ID: [Q8TE54](#)

Cytogenetics: 8q21.3

Protein Families: Transmembrane

Gene Summary: This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in gene structure and protein length yet have markedly different tissue expression patterns. This gene has abundant and specific expression in the kidney. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (2) differs in the 5' UTR and contains an alternate terminal exon, which results in a frameshift, compared to variant 3. The resulting isoform (b) has a distinct C-terminus, compared to isoform a.