

Product datasheet for **SC110765**

SLC26A8 (NM_138718) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC26A8
Synonyms:	SPGF3; TAT1
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_138718, the custom clone sequence may differ by one or more nucleotides

```
ATGGCACAACTAGAGAGGAGCGCCATCTCTGGCTTCAGCTCTAAGTCCAGGCGAAACTCATTGCGATATG
ATGTTAAGCGTGAAGTATACAATGAGGAGACCTTTCAACAGGAACACAAAAGGAAGGCCTCTCTCTGG
GAACATGAACATCAACATCACCACCTTCAGACACCACGTCCAGTGCCGCTGCTCATGGCACAGGTTCTTA
CGATGCGTGCTTACAATCTTTCCCTTCTAGAAATGGATGTGTATGTATCGATTAAAGGATTGGCTTCTGG
GAGACTTACTTGCTGGTATAAGTGTGGCCTTGTGCAAGTTCCCCAAGGCCTGACACTTAGTTTGCTGGC
AAGGCAACTGATTCTCTCTCTCAACATCGCTTATGCAGCTTTCTGTTCTTCGGTAATCTATGTAATTTTT
GGATCGTGTATCAAAATGTCCATTGGTTCCTTCTCTGGTGAGTGCTCTGCTGATCAACGTTCTGAAAG
TGAGCCCATTCACCAACGGTCAACTGGTCATGGGATCTTTCGTCAAGAAATGAGTTTTCGGCCCTCTCTTA
CCTTATGGGCTATAATAAATCCTTGAGTGTGGTGGCAACCACAACCTTTCTGACTGGGATTATTCAGATT
ATTGGCTTCACTGTGATTGCAAAACAGATAAGCATGGCCACAGAAACCAGCCAGACGCTTATTGACATGA
TTCCTTATAGCTTTCTGCTTCTGTAAACACCAGATTTAGCCTTCTTCCAAGATAATTTTACAAGCCTT
CTCCTTATCTTTGGTGAGCTCCTTTCTGCTCATATTTCTGGGCAAGAAAGATTGCCAGTCTTACAAATTAC
AGTGTCAATTCACACAGGATTTAATAGCCATCGGCCTTTGCAATGTCTGTCAGTTTCTTTTTCAGATCTT
GTGTGTTTACTGGTGCTATTGCTAGGACTATTATCCAGGATAAATCTGGAGGAAGACAACAGTTTGCATC
TCTGGTAGGCGCAGGTGTGATGCTGCTCTGATGGTGAAGATGGGACACTTTTTCTACACTGCCAAAT
GCTGTGCTGGCTGGTATTATTCTGAGCAACGTCAATCCCTACCTTGAAACCAATTCTAACCTACCCAGCC
TGTGGAGGCAGGACCAATATGACTGTGCTCTTTGGATGATGACATTCTCATCTTCAATTTTCTGGGACT
GGACATTGGACTAATTATCTCAGTAGTTTCTGCTTTCTTCATCACCAGTGTTCGTTTACACAGAGCTAAG
ATTCTTCTCTGGGTCAAATCCCTAACACCAACATTTATAGAAGCATCAATGATTATCGGGAGATCATCA
CCATTCTGGGGTGAAAATCTTCCAGTGCTGCAGCTCAATTACATTTGTAATGTTTACTACCTAAAGCA
TAAGCTGTTAAAGAGGTTGATATGGTAAAGGTGCCTCTTAAAGAAGAAGAAATTTTTCAGCTTGTTAAT
TCAAGTGACACCAATCTACAAGGAGGAAAGATTGTCAGGTGTTTCTGCAACTGTGATGATCTGGAGCCGC
TGCCCAGGATTCTTTACACAGAGCGATTGAAAATAAACTGGATCCCGAAGCATCCTCCATTAACCTGAT
TCACTGCTCACATTTTGAGAGCATGAACCAAGCCAAACTGCATCCGAAGACCAAGTGCCATACACAGTA
TCGTCCGTGTCTCAGAAAAATCAAGGGCAACAGTATGAGGAGGTGGAGGAAGTTTGGCTTCTAATAACT
CATCAAGAAACAGCTCACCAGGACTGCCTGATGTGGCGAAAGCCAGGGGAGGAGATCACTCATCCCTTA
CTCAGATGCGTCTCTACTGCCAGTGTCCACACCATCATCTGGATTTCTCCATGGTACACTACGTGGAT
TCACGGGGGTAGTCGTATTAAGACAGATATGCAATGCCTTTCAAACGCAACATTTTGATACTCATTG
CAGGGTGCTACTCTTCCATAGTCAGGGCATTGAGAGGAATGATTTCTTTGACGCTGGCATCACCAAGAC
CCAGCTGTTCTCAGCGTTACGACGCCGTGCTGTTTGCCCTGTCAAGGAAGGTATAGGCTCCTCTGAG
TTAAGCATCGATGAATCCGAGACAGTGATACGGGAAACCTACTCAGAAACAGACAAGAATGACAATTCAA
GATATAAAATGAGCAGCAGTTTTCTAGGAAGCCAAAAAATGTAAGTCCAGGCTTCATCAAGATCCAACA
GCCTGTAGAAGAGGAGTCGGAGTTGGATTGGAGCTGGAATCAGAACAAGAGGCTGGGCTGGGTCTGGAC
CTAGACCTGGATCGGGAGCTGGAGCCTGAAATGGAGCCCAAGGCTGAGACCGAGACCAAGACCCAGACCG
AGATGGAGCCCCAGCCTGAGACTGAGCCTGAGATGGAGCCCAACCCCAATCTAGGCCAAGAGCTCACAC
TTTTCTCAGCAGCGTTACTGGCCTATGTATCATCCGTCTATGGCTTCCACCCAGTCTCAGACTCAGACT
CGGACATGGTCAGTGGAGAGGAGACGCCATCCTATGGATTCACTCACCAGAGGGCAACAGCAATGAAG
ATGTCTAG
```

5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_138718 unedited
 TGGTATACAGGTTTACCAAATACCAAGGGGATCCCACGACTCAGCCCGCCCGGNAACGCC
 CGCGGGCTAGGCCACAACGGCTCGGGAACCGCCGCGGTATCCGCGTCCGCAGCGCCGCC
 AGCCAGGCGGGAGCCGTGTGGGATCCCAGCGCCGCACTCCCGCCCCGCCAAGGAGCCA
 GGTGAGCCGCTGCTGGGAGACGCTGGGCGCCGGGGGCTGCAGGTCCCAGGGCGGGGGCT
 GCGTCCGTACCGGCAGGTACCCAGGAATGGCACAAGTAGAGAGGAGCGCCATCTCTGGC
 TTCAGCTCTAAGTCCAGGCGAACTCATTGCGATATGATGTTAAGCGTGAAGTATACAAT
 GAGGAGACCTTTCAACAGGAACACAAAAGGAAGGCCTCCTCTTCTGGGAACATGAACATC
 AACATCACCACCTTCAGACACCACGTCCAGTGCCGAATGGATGTGTATGTATCGATTAAA
 GGATTGGCTTCTGGGAGACTTACTTGCTGGTATAAGTGTGGCCTTGTGCAAGTTCCCCA
 AGGCTTGACACTTAGTTTGGTGGCAAGGCAACTGATTCTNCTCTCAACATCGCTTATGC
 AGCTTTCTGTCTTCGGTAATCTATGTAATTTTTTGGGATCGNGTCATCAAAATGTCCATT
 GGGTTCCTTCTTTCTGGGAGNGCTCTGCTGGATCAACGTTCTGAAGNGAGCCCTTTAAC
 AACGGTCAACTGGTCATTGGGATC

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_138718 unedited
 ATCTATGNNACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTACTAGAGT
 TATACATTTTATTTGAGCTTCATCTCTTTGGAGAAAGGGGAACAGGGATGAGAGGATTAA
 GTTAGAGATGGTCTGGCACAAGCCAGAGATGTGGGGTGTGTGAAGAAGGAAATTCATG
 ACTAGAATATATGCTGAAGGTGAAATGAGGGGAGCCTGGATAGGGAATTCAGAGATAATT
 GTTGGCATTTAGTAATGTGATTTGGGAGTATGATCCCAGCGCAGAGCAAGGAAGAAGGCT
 GGCAGGTAGTAGGAGTCACAGTCAGGAAGGAAGTACTGCTAGTTCGTATCCAGTCTAGGT
 CTCTGGACAATTGACCCCTTTTGGGTAGGAGGATTGCCAGCATTATCTGACCCCTTAT
 TTCTAGTTTCATCTCTAGACATCTTCATTGCTGTTGCCCTCTGGTGAGTATGAATCCATA
 GGATGGCGTCTCTCTCACTGACCATGTCCGAGTCTGAGTCTGAGACTGGGTGGAAGCC
 ATAGACGGATGATACATAGGCCAGTAACGCTGCTGAGGAAAAGTGTGAGCTCTTGGCCTA
 GATTTGGGTTGGGCTCCATCTCAGGCTCAGTCTCAGGCTGGGGCTCCATCTCGGTCTGG
 GTCTTGGTCTCGGTCTCAGCCTTGGGCTCCATTCAAGCTCCAGCTCCCGATCCANGTCT
 AGGTCCAGACCCAGCCAGCCTCTTGTTCTGATTCCAGCTCCAAATCCAACTCCGACTCC
 TCTTCTACAGGCTGTTGGATCTTGATGAAACCTGGACTTACATTTTTTGGCTTTCTAGA
 AAATGCTGCTCATTTTATATCTTGGATTGGCATTCTTGCTGGTTCTGAAGTAGTTTCC
 CGTATACTGTCTTCGAATCATCGATGCCTTACTCAGAGGAGCCTATGACCTTCCTTGACA
 AGACAAACACACGGGGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_138718

Insert Size:

4500 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_138718.1, NP_619732.1</u>
RefSeq Size:	3159 bp
RefSeq ORF:	2598 bp
Locus ID:	116369
UniProt ID:	<u>Q96RNI</u>
Cytogenetics:	6p21.31
Domains:	Sulfate_transp, STAS
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the SLC26 gene family of anion transporters. Family members are well conserved in gene structure and protein length yet have markedly different tissue expression patterns. The expression of this gene appears to be restricted to spermatocytes. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Jul 2010] Transcript Variant: This variant (2) differs in the 5' UTR and lacks two exons in the coding region compared to variant 1. The resulting protein (isoform b) is shorter but has the same N- and C-termini compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.