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Product datasheet for SC122548

SLC26A3 (NM_000111) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A3 (NM_000111) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC26A3
Synonyms:	CLD; DRA
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_000111 edited
CCTGAGTGGATGGACACTGCCTCTTAGAACTAGAACTTAGAACTTTATCTTGAAAATGTA
CCACTGTTGCAGAAGCTCCTCACAGAGTATGTGTCAGGCATTTTTAACCTGCTAAAGGCA
AGAAGAAGTGTTCACCACATAGTTGCAAAGGTCTTCAACTTGCCACAGCCAACAGAAAAA
TCAAAATGATTGAACCCTTTGGGAATCAGTATATTGTGGCCAGGCCAGTGTATTCTACAA
ATGCTTTTGAGGAAAATCATAAAAAGACAGGAAGACATCATAAGACATTTCTGGATCATC
TCAAAGTGTGTTGTAGCTGTTCCCCACAAAAGGCCAAGAGAATTGTCCTCTCTTTGTTCC
CCATAGCATCTTGGTTGCCAGCATACCGGCTTAAAGAATGGTTGCTCAGTGATATTGTTT
CTGGTATCAGCACAGGGATTGTGGCCGTACTACAAGGTTTAGCATTTGCTCTGCTGGTCG
ACATTCCCCCAGTCTATGGGTTGTATGCATCCTTTTTCCCAGCCATAATCTACCTTTTCT
TCGGCACTTCCAGACACATATCCGTGGGTCCGTTTCCGATTCTGAGTATGATGGTGGGAC
TAGCAGTTTCAGGAGCAGTTTCAAAAGCAGTCCCAGATCGCAATGCAACTACTTTGGGAT
TGCCTAACAACTCGAATAATTCTTCACTACTGGATGACGAGAGGGTGAGGGTGGCGGCGG
CGGCATCAGTCACAGTGCTTTCTGGAATCATCCAGTTGGCTTTTGGGATTCTGCGGATTG
GATTTGTAGTGATATACCTGTCTGAGTCCCTCATCAGTGGCTTCACTACTGCTGCTGCTG
TTCATGTTTTGGTTTCCCAACTCAAATTCATTTTTCAGTTGACAGTCCCGTCACACACTG
ATCCAGTTTCAATTTTCAAAGTACTATACTCTGTATTCTCACAAATAGAGAAGACTAATA
TTGCAGACCTGGTGACAGCTCTGATTGTCCTTTTGGTTGTATCCATTGTTAAAGAAATAA
ATCAGCGCTTCAAAGACAAACTTCCAGTGCCCATTCCAATCGAATTCATTATGACCGTGA
TTGCAGCAGGTGTATCCTACGGCTGTGACTTTAAAAACAGGTTTAAAGTGGCTGTGGTTG
GGGACATGAATCCTGGATTTCAGCCCCCTATTACACCTGACGTGGAGACTTTCCAAAACA
CCGTAGGAGATTGCTTCGGCATCGCAATGGTTGCATTTGCAGTGGCCTTTTCAGTTGCCA
GCGTCTATTCCCTCAAATACGATTATCCACTTGATGGCAATCAGGAGTTAATAGCCTTGG
GACTGGGTAACATAGTCTGTGGAGTATTCAGAGGATTTGCTGGGAGTACTGCCCTCTCCA
GATCAGCAGTTCAGGAGAGCACAGGAGGCAAAACACAGATTGCTGGGCTTATTGGTGCCA
TCATCGTGCTGATTGTCGTTCTAGCCATTGGATTTCTCCTGGCGCCTCTACAAAAGTCCG
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GCAGATTGTGGCGAAAGGACAAATATGATTGTTTAATTTGGATCATGACCTTCATCTTCA
CCATTGTCCTGGGACTCGGGTTAGGCCTGGCAGCTAGTGTGGCATTTCAACTGCTAACCA
TCGTGTTCAGGACCCAATTTCCAAAATGCAGCACGCTGGCTAATATTGGAAGAACCAACA
TCTATAAGAATAAAAAAGATTATTATGATATGTATGAGCCAGAAGGAGTGAAAATTTTCA
GATGTCCATCTCCTATCTACTTTGCAAACATTGGTTTCTTTAGGCGGAAACTTATCGATG
CTGTTGGCTTTAGTCCACTTCGAATTCTACGCAAGCGCAACAAAGCTTTGAGGAAAATCC
GAAAACTGCAGAAGCAAGGCTTGCTACAAGTGACACCAAAAGGATTTATATGTACTGTTG
ACACCATAAAAGATTCTGACGAAGAGCTGGACAACAATCAGATAGAAGTACTGGACCAGC
CAATCAATACCACAGACCTGCCTTTCCACATTGACTGGAATGATGATCTTCCTCTCAACA
TTGAGGTCCCCAAAATCAGCCTCCACAGCCTCATTCTCGACTTTTCAGCAGTGTCCTTTC
TTGATGTTTCTTCAGTGAGGGGCCTTAAATCGATTTTGCAAGAATTTATCAGGATCAAGG
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TTTTTGATGGTGAAGTGAAAAGCTCAATATTTTTCTTAACAATCCATGATGCTGTTTTGC
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CAGTTGAAACAAAATTCTAATCAACATATAATTCAGAAGGATCTTCATCTGACTATGACA
TAAAAACAACTTTATACCCAGAAAGTTATTGATAAGTTCATACATTGTACGAAGAGTATT
TTTGACAGAATATGTTTCAAACTTTGGAACAAGATGGTTCTAGCATGGCATATTTTTCAC
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GTGAAAATTATTTTGTTCATACATATTTTTGTAGCACTGACAGATTTCCATCCTAGTCAC
TACCTTCATGCATAGGTTTAGCAGTATAGTGGCGCCACTGTTTTGAATCTCATAATTTAT
ACAGGTCATATTAATATATTTCCATTAAAAAATCAGTTGTACAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000111 unedited
GGTTTGGTTTTGTATACGACTTATATAGGCGGCCGCGNATTCAGATCTGGTACCGGTCCG
GAATTCCCGGGATCCTGAGTGGATGGACACTGCCTCTTAGAACTAGAACTTAGAACTTTA
TCTTGAAAATGTACCACTGTTGCAGAAGCTCCTCACAGAGTATGTGTCAGGCATTTTTAA
CCTGCTAAAGGCAAGAAGAAGTGTTCACCACATAGTTGCAAAGGTCTTCAACTTGCCACA
GCCAACAGAAAAATCAAAATGATTGAACCCTTTGGGAATCAGTATATTGTGGCCAGGCCA
GTGTATTCTACAAATGCTTTTGAGGAAAATCATAAAAAGACAGGAAGACATCATAAGACA
TTTCTGGATCATCTCAAAGTGTGTTGTAGCTGTTCCCCACAAAAGGCCAAGAGAATTGTC
CTCTCTTTGTTCCCCATAGCATCTTGGTTGCCAGCATACCGGCTTAAAGAATGGTTGCTC
AGTGATATTGTTTCTGGTATCAGCACAGGGATTGTGGCCGTACTACAAGGTTTAGCATTT
GCTCTGCTGGTCGACATTCCCCCAGTCTATGGGTTGTATGCATCCTTTTTCCCAGCCATA
ATCTACCTTTTCTTCGGCACTTCCAGACACATATCCGTGGGTCCGTTTCCGATTCTGAGT
ATGATGGTGGGACTAGCAGTTTCAGGAGCAGTTTCAAAAGCAGTCCCAGATCGCAATGCA
ACTACTTTGGGATTGCCTAACAACTCGAATAATTCTTCACTACTGGATGACNAGAGGGTG
AGGGTGGCGGCGGCGGCATCAGTCACAGTGCTTTCTGGAATCATCCAGTTGGCTTTTGGG
ATTCTGCGGATTGGATTTGTAGTGATATACCTGTCTGAGTCCCTCATCAGTGGCTTCACT
ACTGCTGCTGCTNGTCATGTTTTGGTTN

Restriction Sites: Please inquire

ACCN: NM_000111

Insert Size: 2955 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.

RefSeq: NM_000111.1, NP_000102.1

RefSeq Size: 2881 bp

RefSeq ORF: 2295 bp

Locus ID: 1811

UniProt ID: P40879

Cytogenetics: 7q22.3-q31.1

Protein Families: Druggable Genome, Transcription Factors, Transmembrane

Gene Summary: The protein encoded by this gene is a transmembrane glycoprotein that transports chloride ions across the cell membrane in exchange for bicarbonate ions. It is localized to the mucosa of the lower intestinal tract, particularly to the apical membrane of columnar epithelium and some goblet cells. The protein is essential for intestinal chloride absorption, and mutations in this gene have been associated with congenital chloride diarrhea. [provided by RefSeq, Oct 2008]