

Product datasheet for **SC305024**

SLC13A1 (NM_022444) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A1 (NM_022444) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC13A1
Synonyms:	NAS1; NaSi-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305024 representing NM_022444.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAAATTCCTCAGTTACATTCTGGTTTATCGCCGATTTCTCTTCGTGGTTTTCACTGTGTTGGTTTTA
CTACCTCGCCCATCGTCTCCACACCAAGGAAGCAGAATGTGCCTACACACTCTTTGTGGTCGCCACA
TTTTGGCTCACAGAAGCATTGCCTCTGTCGGTAACAGCTTTGCTACCTAGTTAATGTTACCCATGTTT
GGGATCATGCCTTCTAAGAAGGTGGCATCTGCTTATTTCAAGGATTTTCACTTACTGCTAATTGGAGTT
ATCTGTTTAGCAACATCCATAGAAAAATGGAATTTGCACAAGAGAATTGCTCTGAAAATGGTGATGATG
GTTGGTGTAAATCCTGCATGGCTGACGCTGGGGTTCATGAGCAGCACTGCCTTTTTGTCTATGTGGCTC
AGCAACACCTCGACGGCTGCCATGGTGATGCCATTGCGGAGGCTGTAGTGCAGCAGATCATCAATGCA
GAAGCAGAGGTCGAGGCCACTCAGATGACTTACTCAACGGATCAACCAACCACGGACTAGAAAATTGAT
GAAAGTGTTAATGGACATGAAAATAATGAGAGGAAAGAGAAAACAAAACCAGTTCAGGATACAATAAT
GATACAGGGAAAATTTCAAGCAAGTGGAGTTGAAAAGAACTCAGGCATGAGAACAAAATATCGAACA
AAGAAGGGCCACGTGACACGTAACCTACGTGTTTGTGCATTGCCTACTCTTCTACCATTGGTGGACTG
ACAACAATCACTGGTACCTCCACCAACTTGATCTTTGCAGAGTATTTCAATACACGCTATCCTGACTGT
CGTTGCCCTCAACTTTGGATCATGGTTTACGTTTTCTTCCAGCTGCCCTTATCATTCTACTCTTATCC
TGGATCTGGCTTCAGTGGCTTTTCTAGGATTCATTTAAGGAGATGTTCAAATGTGGCAAAACAAA
ACAGTCCAACAAAAGCTTGTGCTGAGGTGATTAAGCAAGAATACAAAAGCTTGGGCCAATAAGGTAT
CAAGAAATGTGACCTTGGTCTTTCATTATAATGGCTCTGCTATGGTTTAGTCGAGACCCCGGATT
GTTCTGGTGGTCTGCACCTTTTTTCAGAGTACCCTGGTTTTGCTACAGATTCACTGTTGCTTTACTT
ATAGGGCTGCTATTCTTTCTTATCCAGTAAGACACTGACTAAAACACTACACTACAGGAAAATGTT
GCTTTTGATTACTCTCCACTGATTACTTGGAAAGAATTCCAGTCATTCATGCCCTGGGATATAGCCATT
CTTGTTGGTGGAGGGTTTGCCTGGCAGATGGTTGTGAGGAGTCTGGATTATCTAAGTGGATAGGAAAT
AAATTATCTCTCTGGGTTCACTACCAGCATGGCTAATAATTCTGATATCTTCTTGGATGGTGACATCT
TTAACTGAGGTAGCCAGCAATCCAGCTACCATTACTCTTTCTCCCAATATTATCTCCATTGGCCGAA
GCCATTGATGGAACCTCTTTATATTCTGATACCTTCTACTCTGTGACTTCATTTGCATTCTCTCTA
CCAGTAGCAAATCCACCAATGCTATTGTCTTTTCATATGGTCATCTGAAAGTCATTGACATGGTTAAA
GCTGGACTTGGTGTCAACATTGTTGGTGTGCTGTGGTTATGCTTGGCATATGACTTGGATTGTACCC
ATGTTTGACCTCTACACTTACCCTTCGTGGGCTCTGCTATGAGTAATGAGACCATGCCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_022444
- Insert Size:** 1788 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_022444.3](#)

RefSeq Size: 3811 bp

RefSeq ORF: 1788 bp

Locus ID: 6561

UniProt ID: [Q9BZW2](#)

Cytogenetics: 7q31.32

Protein Families: Transmembrane

MW: 66.1 kDa

Gene Summary: The protein encoded by this gene is an apical membrane Na(+)-sulfate cotransporter involved in sulfate homeostasis in the kidney. Defects in this gene lead to many pathophysiologic problems. [provided by RefSeq, May 2016]
Transcript Variant: This variant (1) encodes the longer isoform (1).