

Product datasheet for **SC115357**

SLC13A4 (NM_012450) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC13A4 (NM_012450) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC13A4
Synonyms:	NAS2; SUT-1; SUT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012450, the custom clone sequence may differ by one or more nucleotides

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ATGGGCCTGCTGCAGGGCCTGCTCCGAGTCCGGAAGCTGCTGCTGGTCTGCTGCCGTCCCGCTCCTGCTGC
TGCTCTGCCCCGTCTCCACCCAGCAGCGAGGCTCGTGTGCTTACGTGCTGATCGTGACTGCTGTGTA
CTGGGTGTCGGAGGCAGTGCCTCTGGGAGCTGCAGCCCTGGTGCCGGCCTTCCTTTACCGTTCTTCGGA
GTCCTCCGGTCCAATGAGGTGGCGGCGGAGTACTTCAAGAACACCACGCTGCTGCTGGTGGGGGTATCT
GCGTGGCGGCTGCCGTGGAGAAGTGAACCTGCATAAGCGCATTGCTCTGCGCATGGTCTTGATGGCCGG
AGCCAAGCCGGGCATGCTGCTGCTCTGCTTCATGTGCTGTACCACGTTGCTGTCCATGTGGCTGTCCAAC
ACCTCCACCACCGCCATGGTGATGCCCCATCGTGGAGGCGCTGCTGCAGGAGCTGGTCAGTGCTGAGGACG
AGCAGCTCGTGGCGGCAACTCCAACACCGAAGAGGCCGAACCCATCAGTCTGGATGTAAGAAGCAAGCA
ACCTTCTCTGGAACCTATCTTTGTCAATGAAGAGTCCAACGCAGACCTCACCCTCTGATGCACAACGAG
AACCTGAATGGTGTGCCCTCGATCACAACCCCATCAAACTGCAAAACCAACACCAGGGCAAGAAGCAAC
ACCCATCCAGGAAAAGCCACAAGTCTGACCCCGAGCCAGGAAGCAGAAGCTGAACAGAAAAGTACAG
GTCCACCATGACCAGATGATCTGCAAGTGCTCTCCCTGAGCATATCCTACTCCGCTACCATTTGGCGGC
CTGACCACCATCATCGGCACCTCCACCAGCCTCATCTTCTGGAACACTTCAACAACCAAGTATCCAGCCG
CAGAGGTGGTGAACCTTTGGCACCTGGTTCTCTTACGTTCCCCATATCCCTCATCATGCTGGTGGTCAG
CTGGTTCTGGATGCACTGGCTGTTCTGGGCTGCAATTTTAAAGAGACCTGCTCTCTGAGCAAGAAGAAG
AAGACCAAAAGGGAACAGTTGTGAGAGAAGAGGATCCAAGAAGATATGAAAACTGGGAGACATTAGCT
ACCCAGAAATGGTGACTGGATTTTCTTTCATCTGATGACCGTACTGTGGTTTACCCGGGAGCCTGGCTT
TGTCCTGGCTGGGATTTCTTTTAAAGAAAGGCTACCGTACTGATGCCACAGTCTCTGTCTTCCTT
GGCTTCTCTCTCTCTCATTCCAGCGAAGAAGCCCTGCTTTGGGAAAAAGATGATGGAGAGAACCAGG
AGCACTACTGGGACCGAGCCCATCATCACGTGGAAGGACTTCCAGAAGACCATGCCCTGGGAGATTGT
CATTCTGGTTGGGGAGGCTATGCTCTGGCTTCTGGTAGCAAGAGCTCTGGCCTCTCTACATGGATTGGG
AACCAGATGTTGTCCCTGAGCAGCCTCCACCGTGGGCTGTACCCTGCTGGCATGCATCCTCGTGCCA
TTGTCACTGAGTTGTGAGCAACCCAGCAACCATCACCCTCTTCTGCCATCCTGTGCAGCCTGTCTGA
AACGCTGCACATTAACCCCTCTACACCCTGATCCAGTCACCATGTGCATCTCCTTTGCACTGATGCTG
CCTGTGGGCAATCCCTAATGCCATCGTCTTCACTATGGGCACTGCCAGATCAAGATATGGTAAAG
CTGGCCTGGGAGTCAACGTTATTGGACTGGTGATAGTAATGGTGGCCATCAACACCTGGGAGTTAGCCT
CTTCCACCTGGACACTTACCCAGCATGGCGGAGGTCAGCAACATCACTGATCAAGCCTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012450 unedited

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CCCCGCCCCGTTGNCGCAAAGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAAGCAGA
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATT
CGGCACGAGGCAGGCTCAAGGCAATTATAAGTAAGGAACCAATTTGAGGGAAAGACATG
TGAACAGAGTTAAGGTACCACGTCTGGGAGCGACCGAGCCACCTGAAGTCCGCAT
GCAACTCTGACAAGCTCAGGTGCTTGTTTTAAAGAAAGGGGCTACTAGAGTCTTACCAAC
AGCGAGCCAGGTGGGAGATGAAACAGGTACTCCCAAAATAGGTATCCGAGGGAGGAA
AACTGATGGAGAGCACAATGTGCTCTGAGCGTTTTTAATGTTTTTAAGCTTTTAAATGAT
TTCTTCAAGGCCGAGCAGCAGCAGCAAGGTGTGGCTTAAAGGATTAAGGGGTTTCTGC
TGGCACCTAGAATGAAGTTACTCTATTACTAATCAAGCCGAGAGGAGGCCACTATGCC
CCGTTTATCATCTTTCCAGTTCTTTTTTGTGGTCACAAAACGATGCTCATCAATCCC
ACCTAAAGCAGGAGGCCAGGAGCCAGCCTCTTGTAGAAACAGCGAGGGTATACTGCC
TCCCGTTCTGCCCAAGACGAAAGAGGACTCTCGNAAGCCAAGAAGTTTAAGAAGTCT
TTCTGGATAGAGAGCAGTGCCCAGGCAGGAAGCCTTTCGNCCGAGAGCGGGGTCGAGG
ACCAGCTGNANAGACAGAGGCNCGATGGGCCTGCTGCAGGNCCTGCNTCGAGTCCGAAGC
TGCTGCTGGTCTGCTGCCGTCTGCTGCTGCTCTTGCCGTCCCTCACCACAGCGA
GGCCTCGTGTGCTACCTGCTGATCTGACTGCTGGTACTGGTTGTGCGAGCAATGCCTCTG
GNACTTGACCTGGTGCCGGCTTCTTAC
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Restriction Sites:	NotI-NotI
ACCN:	NM_012450
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_012450.2</u> , <u>NP_036582.2</u>
RefSeq Size:	2908 bp
RefSeq ORF:	1881 bp
Locus ID:	26266
UniProt ID:	<u>Q9UKG4</u>
Cytogenetics:	7q33
Domains:	Na_sulph_symp
Protein Families:	Transmembrane
Gene Summary:	Sodium/sulfate cotransporter that mediates sulfate reabsorption in the high endothelial venules (HEV).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.