

Product datasheet for **SC303270**

SLC34A1 (NM_003052) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC34A1 (NM_003052) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC34A1
Synonyms:	FRTS2; HCINF2; NAPI-3; NPHLOP1; NPT2; NPTIIa; SLC11; SLC17A2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003052 edited
 CTGACCTGCAGACCTCATAGTGGGTGCCCAGGATGTTGTCTACGGAGAGAGGCTGGGGT
 CCCCTGCTGTCTCCCACTCCCAGTCCGTGGGGGGCATGTGATGCGAGGGACGGCCTTTG
 CCTACGTGCCCAGCCCTCAGGTCTACACAGGATCCCGGGGACCTCTGCCTATGCCTTCC
 CCAGCCTGGGCCCTGTGGCCCTTGCTGAGCACACCTGCCCTGTGGGGAGGTCTGGAGC
 GCCATGAACCACTGCCTGCCAAGCTGGCCCTGGAGGAGGAGCAGAAGCCAGAGTCCAGGC
 TGGTCCCCAAGCTGCGCCAGGCTGGCGCCATGCTGCTCAAGGTGCCACTGATGCTACCT
 TCCTCTACCTCTTCGTCTGCTCCCTGGACATGCTCAGCTCGGCCTTCCAGCTGGCTGGAG
 GGAAGGTGGCTGGTGACATCTTCAAGGATAACGCCATCCTGTCCAACCCGGTGGCCGGGC
 TGGTGGTGGGGATCCTGGTGACCGTGTGGTGACAGCTCCAGCACCTCCACATCCATCA
 TCGTCAGCATGGTCTCCTCTGGCTTGCTGGAGGTGAGCTCTGCCATCCCCATCATCATGG
 GCTCCAACATCGGCACCTCTGTACCAACACCATCGTGGCCCTGATGCAGGCGGGGGACA
 GGACTGACTTCCGGCGGGCCTTCGCGGGGGCCACGGTGCATGACTGCTTTAACTGGCTGT
 CAGTGCTGGTCTGCTGCCCTGGAGGCTGCCACTGGCTACCTGCACCACATCACTCGAC
 TTGTGGTGGCCTCCTTCAACATCCATGGTGGCCGTGATGCTCCTGACCTGCTCAAGATCA
 TCACAGAGCCCTTCACGAAGCTCATCATCCAGCTGGACGAGTCTGTGATAACCAGCATTG
 CCACTGGTGATGAGTCCCTGAGGAACCACAGTCTCATCCAGATCTGGTGCCACCCAGACT
 CCTTACAGGCTCCCACTCCATGTCCAGAGCAGAGGCCAACTCCAGCCAGACCCTTGAA
 ATGCCACCATGGAGAAATGCAACCACATCTTTGTGGACTGGCCTACCGGACCTGGCTG
 TGGGGCTCATCTGCTGGCAGGATCCCTGGTGTGCTGTGCACCTGCCTCATCTCCTAG
 TCAAGATGCTCAACTCCCTGCTCAAGGGCCAAGTGGCCAAGGTATCCAGAAGGTATCA
 ATACGGACTTCCCTGCCCCCTTACCTGGGTACAGGCTACTTTGCCATGGTGGTGGGCG
 CCAGCATGACCTTCGTGGTCCAGAGCAGTTCTGTGTTACCTCGGCCATACCCCACTCA
 TGGGTCTTGGTGTGATCAGCATTGAGAGGGCCTACCCGCTCACACTGGGTTCCAACATCG
 GCACCACCACCAGGCCATCCTGGCTGCCCTGGCCAGCCCAAGGAGAAGCTGTCCAGCG
 CTTTCCAGATTGCCCTCTGTCACTTCTTCTTCAACATCTCGGGTATCCTTCTGTGGTACC
 CGGTGCCCTGCACACGCCTGCCATCCGCATGGCCAAGGCGCTGGGGAAACGCACGGCCA
 AGTACCGCTGGTTGCCGTCTCTATCTCCTTGCTGCTTCTGCTGCTGCCCTCACTGG
 TGTTTGGCATCTCCATGGCAGGCTGGCAGGTATGGTAGGTGTGGGCACGCCCTTCGGGG
 CCCTGCTGGCCTTCGTGGTGTCTATCAATGTCTGCAGAGTCGGAGTCCCGGGCACCTGC
 CCAAGTGGTTACAGACATGGGACTTCTGCCTCGCTGGATGCACTCCCTGAAGCCCCTGG
 ACCACCTCATACCCGCGCCACCCTATGCTGTGCCAGGCCTGAGCCCCGCTACCCCCGC
 TGCCCCCAGGGTCTTCTGGAGGAGTACCCCTGCCACACCCTCCCCCGTCTTGAC
 TGCTGTCTACCAACAATGCCACCCGCTTAGGCTGTGGGCCAGACTACAGCCTGGAAT
 GGGGAAGGCCTGGGTGGAAAGGCAGGGGAGGGAGGTGTGTAGGTATGTGCATGTGC
 CTGTG

Restriction Sites: Please inquire

ACCN: NM_003052

Insert Size: 2000 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_003052.2.
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_003052.2 , NP_003043.2
RefSeq Size:	2677 bp
RefSeq ORF:	1920 bp
Locus ID:	6569
UniProt ID:	Q06495
Cytogenetics:	5q35.3
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the type II sodium-phosphate cotransporter family. Mutations in this gene are associated with hypophosphatemia nephrolithiasis/osteoporosis 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2009] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).