

Product datasheet for **SC303773**

SLC34A2 (NM_006424) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC34A2 (NM_006424) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC34A2
Synonyms:	NAPI-3B; NAPI-IIb; NPTIIb; PULAM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_006424 edited
 ATGGCTCCCTGGCCTGAATTGGGAGATGCCAGCCCAACCCCGATAAGTACCTCGAAGGG
 GCCGCAGGTCAGCAGCCCACTGCCCTGATAAAAGCAAAGAGACCAACAAAACAGATAAC
 ACTGAGGCACCTGTAACCAAGATTGAACTTCTGCCGTCTACTCCACGGCTACACTGATA
 GATGAGCCCACTGAGGTGGATGACCCCTGGAACCTACCCACTTTCAGGACTCGGGGATC
 AAGTGGTCAGAGAGACACCAAAAGGAAGATTCTCTGTTTCTTCCAAGGGATTGGGAGA
 TTGATTTTACTTCTCGGATTTCTACTTTTTCTGTTGCTCCCTGGATATTCTTAGTAGC
 GCCTTCCAGCTGGTTGGAGGAAAAATGGCAGGACAGTTCTTCAGCAACAGCTCTATTATG
 TCCAACCCTTTGTGGGGCTGGTATCGGGGTGCTGGTGACCGTCTTGGTGCAGAGCTCC
 AGCACCTCAACGTCCATCGTTGTCAGCATGGTGTCTCTTATTGCTCACTGTTCCGGCT
 GCCATCCCATTATCATGGGGCCAAACATTGGAACGTCAATCACCAACACTATTGTTGCG
 CTCATGCAGGTGGGAGATCGGAGTGAGTTCAGAAGAGCTTTTGCAGGAGCCACTGTCCAT
 GACTTCTTCAACTGGCTGTCCGTGTTGGTGTCTTGCCTGGAGGTGCCACCCATTAC
 CTCGAGATCATAACCCAGCTTATAGTGGAGAGCTTCCACTTCAAGATGGAGAAGATGCC
 CCAGATCTTCTGAAAGTCATCACTAAGCCCTTCAAAAGCTCATTGTCCAGCTGGATAAA
 AAAGTTATCAGCCAAATTGCAATGAACGATGAAAAAGCGAAAAACAAGAGTCTTGTCAAG
 ATTTGGTGCAAACTTTTACCAACAAGACCCAGATTAACGTCACTGTTCCCTCGACTGCT
 AACTGCACCTCCCCTTCCCTCTGTTGGACGGATGGCATCCAAAATGGACCATGAAGAAT
 GTGACCTACAAGGAGAACATCGCCAAATGCCAGCATATCTTTGTGAATTTCCACCTCCCG
 GATCTTGCTGTGGGCACCATCTTGCTCATACTCTCCCTGCTGGTCTCTGTGGTTGCCTG
 ATCATGATTGTCAAGATCCTGGGCTCTGTGCTCAAGGGGCAGGTCCGCACTGTATCAAG
 AAGACCTCAACACTGATTTCCCTTTCCCTTTGCATGGTTGACTGGCTACCTGGCCATC
 CTCGTGGGGCAGGCATGACCTTTCATCGTACAGAGCAGCTCTGTGTTACGTCGGCCTTG
 ACCCCCTGATTGGAATCGGCGTGATAACCATTGAGAGGGCTTATCCACTCACGCTGGGC
 TCCAACATCGGCACCACCACCGCCATCCTGGCCGCTTAGCCAGCCCTGGCAATGCA
 TTGAGGAGTTCCTCCAGATCGCCCTGTGCCACTTTTTCTTCAACATCTCCGGCATCTTG
 CTGTGGTACCCGATCCCCTTCACTCGCCTGCCATCCGCATGGCCAAGGGGCTGGGCAAC
 ATCTCTGCCAAGTATCGCTGGTTCGCCGCTTCTACCTGATCATCTTCTTCTCTGATC
 CCGCTGACGGTGTGGCCTCTCGCTGGCCGGCTGGCGGGTGTGGTGGTGTGGGGTT
 CCCGCTGCTTTCATCATCATCTGCTGCTGCTCCGACTCCTGCAGTCTCGCTGCCCA
 CGCGTCTGCCGAAGAACTCCAGAAGTGAACCTCCTGCCGCTGTGGATGCGCTCGCTG
 AAGCCCTGGGATGCCGTGCTCTCAAGTTCACCGCTGCTTCCAGATGCGCTGCTGCTGC
 TGCTGCCGCTGTGCTGCCGCGGTGCTGCTTGTGTGTGGCTGCCCAAGTGTGCCGC
 TGCAGCAAGTGTGCGAGGACTTGGAGGAGGCGCAGGAGGGGCAGGATGTCCCTGTCAAG
 GCTCCTGAGACCTTTGATAACATAACCATTAGCAGAGAGGCTCAGGGTGAGGTCCCTGCC
 TCGGACTCAAAGACCGAATGCACGGCCTGTAG

Restriction Sites: Please inquire

ACCN: NM_006424

Insert Size: 2100 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: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_006424.1](#), [NP_006415.1](#)

RefSeq Size: 2280 bp

RefSeq ORF: 2073 bp

Locus ID: 10568

UniProt ID: [O95436](#)

Cytogenetics: 4p15.2

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a pH-sensitive sodium-dependent phosphate transporter. Phosphate uptake is increased at lower pH. Defects in this gene are a cause of pulmonary alveolar microlithiasis. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Transcript Variant: This variant (1) encodes the longer isoform (a).