

## Product datasheet for **SC329069**

### SLC34A2 (NM\_001177999) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC34A2 (NM_001177999) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC34A2
Synonyms:	NAPI-3B; NAPI-IIb; NPTIIb; PULAM
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001177999, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTCCCTGGCCTGAATTGGGAGATGCCAGCCCAACCCCGATAAGTACCTCGAAGGG
GCCGCAGGTCAGCAGCCCACTGCCCTGATAAAAGCAAAGAGACCAACAAAAATAACACT
GAGGCACCTGTAAACCAAGATTGAACTTCTGCCGTCTACTCCACGGCTACACTGATAGAT
GAGCCCACTGAGGTGGATGACCCTGGAACCTACCCACTTTCCAGGACTCGGGGATCAAG
TGGTCAGAGAGAGACACCAAAGGGAAGATTCTCTGTTTTTCCAAGGGATTGGGAGATTG
ATTTTACTTCTCGGATTTCTCTACTTTTTTCGTGTGCTCCCTGGATATTCTTAGTAGCGCC
TTCCAGCTGGTTGGAGGAAAAATGGCAGGACAGTTCTTACGCAACAGCTCTATTATGTCC
AACCCTTTGTGGGGCTGGTGATCGGGGTGCTGGTGACCGTCTTGGTGACAGCTCCAGC
ACCTCAACGTCCATCGTTGTGAGCATGGTGTCTCTTTCATTGCTCACTGTTGGGGCTGCC
ATCCCCATTATCATGGGGCCAACATTGGAACGTCAATCACCAACACTATTGTTGCGCTC
ATGACAGTGGGAGATCGGAGTGAGTTCAGAAGAGCTTTTGCAGGAGCCACTGTCCATGAC
TTCTTCAACTGGCTGTCCGTGTTGGTGCTTTGCCCGTGGAGGTGGCCACCCATTACCTC
GAGATCATAACCCAGCTTATAGTGGAGAGCTTCCACTTCAAGAATGGAGAAGATGCCCA
GATCTTCTGAAAGTCATCACTAAGCCCTTCAAAAGCTCATTGTCCAGCTGGATAAAAAA
GTTATCAGCCAAATTGCAATGAACGATGAAAAAGCGAAAAACAAGAGTCTTGTAAGATT
TGGTGAAAACTTTACCAACAAGACCCAGATTAACGTCACTGTTCCCTCGACTGCTAAC
TGCACCTCCCCTTCCCTCTGTTGGACGGATGGCATCCAAAACCTGGACCATGAAGAATGTG
ACCTACAAGGAGAAACATCGCAAATGCCAGCATATCTTTGTGAATTTCCACCTCCCGGAT
CTTGCTGTGGGCACCATCTTGCTCACTCTCCCTGCTGGTCTCTGTGGTTGCCTGATC
ATGATTGTCAAGATCCTGGGCTCTGTGCTCAAGGGGCAGGTCGCCACTGCATCAAGAAG
ACCATCAACACTGATTTCCCTTTCCCTTTGCATGGTTGACTGGCTACCTGGCCATCCTC
GTCGGGGCAGGCATGACCTTCATCGTACAGAGCAGCTCTGTGTTACGTCGGCCTTGACC
CCCCTGATTGGAATCGGCGTGATAACCATTGAGAGGGCTTATCCACTCACGCTGGGCTCC
AACATCGGCACCACCACCACCAGCCATCCTGGCCGCTTAGCCAGCCCTGGCAATGCATTG
AGGAGTTCACCTCCAGATCGCCCTGTGCCACTTTTTCTTCAACATCTCCGGCATCTTGCTG
TGGTACCCGATCCCGTTCACCTCGCCTGCCATCCGCATGGCCAAGGGGCTGGGCAACATC
TCTGCCAAGTATCGTGGTTGCGCGTCTTCTACCTGATCATCTTCTTCTCTGATCCCG
CTGACGGTGTGCTCTCGCTGGCCGCTGGCGGGTGGTGGTGTGCGGGTCCC
GTCGTCTTCATCATCATCCTGGTACTGTGCTCCGACTCTGCAGTCTCGCTGCCACGC
GTCCTGCCAAGAACTCCAGAACTGGAACCTCCTGCCGCTGTGGATGCGCTCGCTGAAG
CCCTGGGATGCCGTGCTCCAAGTTCACCGGCTGCTTCCAGATGCGCTGCTGCTGCTGC
TGCCGCGTGTGCTGCCGCGCTGCTGCTTGTGTGGCTGCCCAAGTGTGCTGCCGCTGC
AGCAAGTGTGCGAGGACTTGGAGGAGGCGCAGGAGGGGAGGATGTCCTGTCAAGGCT
CCTGAGACCTTTGATAACATAACCATTAGCAGAGAGGCTCAGGGTGAGGTCCTGCCTCG
GACTCAAAGACCGAATGCACGGCCTTGATG
    
```

**Restriction Sites:** Please inquire

**ACCN:** NM\_001177999

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001177999.1, NP_001171470.1</u>
<b>RefSeq Size:</b>	4187 bp
<b>RefSeq ORF:</b>	2070 bp
<b>Locus ID:</b>	10568
<b>UniProt ID:</b>	<u>O95436</u>
<b>Cytogenetics:</b>	4p15.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is 1 aa shorter compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>