

Product datasheet for **SC328966**

SLC34A3 (NM_001177316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC34A3 (NM_001177316) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC34A3
Synonyms:	HHRH; NPTIIc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001177316, the custom clone sequence may differ by one or more nucleotides

```

ATGCCGAGTTCCTTCCCGGCAGCCAGGTCCCCACCCCACTCTGGACGCGGTTGACCTA
GTGGAAAAGACTCTGAGGAATGAAGGGACCTCCAGTTCTGCTCCAGTCTTGGAGGAAGGG
GACACAGACCCCTGGACCCTCCCTCAGCTGAAGGACACAAGCCAGCCCTGGAAAGAGCTC
CGCGTGGCCGGCAGGCTGCGCCGCGTGGCCGGCAGCGTCTCAAGGCCTGCGGGCTCCTC
GGCAGCCTGTACTTCTTCATCTGCTCTCTGGACGTCTCAGCTCCGCCTCCAGTCTG
GGCAGCAAAGTGGCCGGAGACATCTTCAAGGACAACGTGGTGTCTGTTCAACCCTGTGGCT
GGACTGGTCATTGGCGTGTGGTACAGCCCTGGTGCAGAGTTCCAGCACGTCTCTCTCC
ATCGTGGTCAGCATGGTGGCTGTAAGCTGCTGACTGTCCGGGTGTCTGTGCCATCATC
ATGGGTGTCAACGTAGGCACATCCATCACCAGCACCCCTGGTCTCAATGGCGCAGTCAGGG
GACCGGGATGAATTTAGAGGGCTTTACGCGGCTCGGCGGTGCACGGGATCTTCAACTGG
CTCACAGTGTGGTCTGCTGCCACTGGAGAGCGCCACGGCCCTGCTGGAGAGGCTAAGT
GAGCTAGCCCTGGGTGCCCCAGCCTGACACCCAGGGCGCAGGCGCCCGACATCCTCAAG
GTGCTGACGAAGCCGCTCACACACCTCATCGTGCAGTTGGACTCCGACATGATCATGAGC
AGTGCCACAGGCAACGCCACTAACAGCAGTCTCATTAAAGCACTGGTGCAGCACCACGGGG
CAGCCGACCCAGGAGAACAGCAGCTGTGGCGCCTTCGGCCCGTGACAGAGAAGAACAGC
ACAGCCCCGGCGGACAGGCTGCCCTGCCGCCACCTGTTTGGGGCACGGAGCTCACGGAC
CTGGCCGTGGGCTGCATCCTGCTGGCCGGCTCCCTGCTGGTGTCTGCGGCTGCCTGGTC
CTCATAGTCAAGTGTCAACTCTGTGCTGCGCGGCCGCTGGCCAGGTCGTGAGGACA
GTCATCAATGCGGACTTCCCCTTCCCGTGGGCTGGCTCGGCGGTACCTGGCCGTCTC
GCGGGCGCCGGCTGACCTTCGCACTGCAGAGCAGCAGCGTCTTACGGCGGCCGCTG
CCCCTCATGGGGTGGGGTGATCAGTCTGGACCGGGCTACCCCTCTTACTGGGCTCC
AACATCGGCACCACTACCACAGCCCTGCTGGCTGCCCTGGCCAGCCCGCAGACAGGATG
CTCAGCGCCCTGCAGGTGCGCCCTCATCCACTTCTTCTTCAACCTGGCCGGCATCCTGCTG
TGGTACCTGGTGCCTGCACTGCGGCTGCCATCCCGCTGGCCAGGCACTTCGGGGTGGT
ACCGCCGTTACCGTGGGTGGTGGGGTCTACCTGCTGCTCGGATTCTGCTGTGCC
CTGGCGGCTTCGGGCTCCTTGGCAGGGGGCATGGTGTGGCCGCTGTGGGGTCCC
CTGGTGGGGTGGTGTCTCTCGTATCCTGGTTACTGTCTGCAGCGCGCCGGCCGGCC
TGGCTGCCTGTCCGCTGCGCTCCTGGGCTGGTCCCCGTGGCTCCATTCTCTGGAG
CCCTGGGACCGCTGGTACCCGCTGCTGCCCTGCAACGTCTGCAGCCCCCGAAGGCC
ACCACCAAGAGGCTACTGCTACGAGAACCCTGAGATCTTGGCTCCCAGCAGTTGTGA
    
```

Restriction Sites: Please inquire

ACCN: NM_001177316

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:	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:	<ol style="list-style-type: none">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:	<u>NM_001177316.1</u> , <u>NP_001170787.1</u>
RefSeq Size:	2177 bp
RefSeq ORF:	1800 bp
Locus ID:	142680
UniProt ID:	<u>Q8N130</u>
Cytogenetics:	9q34.3
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of SLC34A transporter family of proteins, and is expressed primarily in the kidney. It is involved in transporting phosphate into cells via sodium cotransport in the renal brush border membrane, and contributes to the maintenance of inorganic phosphate concentration in the kidney. Mutations in this gene are associated with hereditary hypophosphatemic rickets with hypercalciuria. Alternatively spliced transcript variants varying in the 5' UTR have been found for this gene.[provided by RefSeq, Apr 2010] Transcript Variant: This variant (1) represents the predominant transcript. Variants 1-3 encode the same protein.