

## Product datasheet for **SC305873**

### SLC34A3 (NM\_080877) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC34A3 (NM_080877) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC34A3
Synonyms:	HHRH; NPTIIc
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_080877 edited  
 ATGCCGAGTTCCTTCCCAGCCAGGTCACCCACCCACTCTGGACGCGGTTGACCTA  
 GTGGAAAAGACTCTGAGGAATGAAGGGACCTCCAGTTCTGCTCCAGTCTTGGAGGAAGGG  
 GACACAGACCCCTGGACCCTCCCTCAGCTGAAGGACACAAGCCAGCCCTGGAAAGAGCTC  
 CGCGTGGCCGGCAGGCTGCGCCGCGTGGCCGGCAGCGTCTCAAGGCCTGCGGGCTCCTC  
 GGCAGCCTGTACTTCTTCATCTGCTCTCTGGACGTCTCAGCTCCGCCTCCAGTGTGCTG  
 GGCAGCAAGTGGCCGGAGACATCTTCAAGGACAACGTGGTGTCTCAACCCTGTGGCT  
 GGACTGGTCATTGGCGTGTGGTCACAGCCCTGGTGCAGAGTTCCAGCAGTCTCCTCC  
 ATCGTGGTCAGCATGGTGGCTGCTAAGCTGCTGACTGTCCGGGTGTCTGTGCCATCATC  
 ATGGGTGTCAACGTAGGCACATCCATCACCAGCACCCCTGGTCTCAATGGCGCAGTCAGGG  
 GACCGGGATGAATTTAGAGGGCTTTCAGCGGCTCGGCGGTGCACGGGATCTTCAACTGG  
 CTCACAGTGTGGTCTGCTGCCACTGGAGAGCGCCACGGCCCTGCTGGAGAGGCTAAGT  
 GAGCTAGCCCTGGGTGCCCCAGCCTGACACCCAGGGCGCAGGCGCCGACATCCTCAAG  
 GTGCTGACGAAGCCGCTCACACACCTCATCGTGCAGTTGGACTCCGACATGATCATGAGC  
 AGTGCCACAGGCAACGCCACTAACAGCAGTCTCATTAAAGCACTGGTGGCGCACACGGGG  
 CAGCCGACCCAGGAGAACAGCAGCTGTGGCGCCTTCGGCCCGTGCACAGAGAAGAACAGC  
 ACAGCCCCGCGGACAGGCTGCCCTGCCGCCACCTGTTTGGCGGACGGAGCTCACGGAC  
 CTGGCCGTGGGCTGCATCCTGCTGGCCGGCTCCCTGCTGGTGTCTGCGGCTGCCTGGTC  
 CTCATAGTCAAGTGTCAACTCTGTGCTGCGCGCCGCGTGGCCAGGTCGTGAGGACA  
 GTCATCAATGCGGACTTCCCCTTCCCCTGGGCTGGCTCGGCGGCTACCTGGCCGTCTC  
 GCGGGCGCCGCTGACCTTCCGACTGCAGAGCAGCAGCGTCTTACGGCGCCGCTCGTG  
 CCCCTCATGGGGTGGGGTGATCAGTCTGGACCGGGCGTACCCCTCTTACTGGGCTCC  
 AACATCGGCACCACTACCACAGCCCTGCTGGCTGCCCTGGCCAGCCCCGACAGAGGATG  
 CTCAGCGCCCTGCAGGTGCGCCCTCATCCACTTCTTCTTAACTGGCCGGCATCCTGCTG  
 TGGTACCTGGTGCCTGCACTGCGGCTGCCATCCCGCTGGCCAGGCACTTCGGGGTGGT  
 ACCGCCGTTACCGCTGGGTGGTGGGGTCTACCTGCTGCTCGGATTCTGCTGTGCC  
 CTGGCGGCTTCGGGCTCTCCCTGGCAGGGGGCATGCTGCTGGCCGCTGTGGGGTCCC  
 CTGGTGGGGTGGTGTCTCCTCGTCATCCTGTTACTGTCTGCAGCGGCGCCGGCCGGCC  
 TGGCTGCCTGTCCGCTGCGCTCCTGGGCTGGCTCCCCGTGGCTCCATTCTCTGGAG  
 CCCTGGGACCGCTGGTACCCGCTGCTGCCCTGCAACGTCTGCAGCCCCCGAAGGCC  
 ACCACCAAGAGGCTACTGCTACGAGAACCCTGAGATCTTGGCTCCCAGCAGTTGTGA

- Restriction Sites:** Please inquire
- ACCN:** NM\_080877
- Insert Size:** 2000 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:** 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:**

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\\_080877.1](#), [NP\\_543153.1](#)

**RefSeq Size:** 2124 bp

**RefSeq ORF:** 1800 bp

**Locus ID:** 142680

**UniProt ID:** [Q8N130](#)

**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 (3) contains an alternative 5' non-coding exon resulting in a different 5' UTR compared to variant 1. Variants 1-3 encode the same protein.