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Product datasheet for SC328967

SLC34A3 (NM_001177317) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC34A3 (NM_001177317) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC34A3
Synonyms:	HHRH; NPTIIc
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001177317, the custom clone sequence may differ by one or more nucleotides

ATGCCGAGTTCCCTTCCCGGCAGCCAGGTCCCCCACCCCACTCTGGACGCGGTTGACCTA
GTGGAAAAGACTCTGAGGAATGAAGGGACCTCCAGTTCTGCTCCAGTCTTGGAGGAAGGG
GACACAGACCCCTGGACCCTCCCTCAGCTGAAGGACACAAGCCAGCCCTGGAAAGAGCTC
CGCGTGGCCGGCAGGCTGCGCCGCGTGGCCGGCAGCGTCCTCAAGGCCTGCGGGCTCCTC
GGCAGCCTGTACTTCTTCATCTGCTCTCTGGACGTCCTCAGCTCCGCCTTCCAGCTGCTG
GGCAGCAAAGTGGCCGGAGACATCTTCAAGGACAACGTGGTGCTGTCCAACCCTGTGGCT
GGACTGGTCATTGGCGTGCTGGTCACAGCCCTGGTGCAGAGTTCCAGCACGTCCTCCTCC
ATCGTGGTCAGCATGGTGGCTGCTAAGCTGCTGACTGTCCGGGTGTCTGTGCCCATCATC
ATGGGTGTCAACGTAGGCACATCCATCACCAGCACCCTGGTCTCAATGGCGCAGTCAGGG
GACCGGGATGAATTTCAGAGGGCTTTCAGCGGCTCGGCGGTGCACGGGATCTTCAACTGG
CTCACAGTGCTGGTCCTGCTGCCACTGGAGAGCGCCACGGCCCTGCTGGAGAGGCTAAGT
GAGCTAGCCCTGGGTGCCGCCAGCCTGACACCCAGGGCGCAGGCGCCCGACATCCTCAAG
GTGCTGACGAAGCCGCTCACACACCTCATCGTGCAGTTGGACTCCGACATGATCATGAGC
AGTGCCACAGGCAACGCCACTAACAGCAGTCTCATTAAGCACTGGTGCGGCACCACGGGG
CAGCCGACCCAGGAGAACAGCAGCTGTGGCGCCTTCGGCCCGTGCACAGAGAAGAACAGC
ACAGCCCCGGCGGACAGGCTGCCCTGCCGCCACCTGTTTGCGGGCACGGAGCTCACGGAC
CTGGCCGTGGGCTGCATCCTGCTGGCCGGCTCCCTGCTGGTGCTCTGCGGCTGCCTGGTC
CTCATAGTCAAGCTGCTCAACTCTGTGCTGCGCGGCCGCGTGGCCCAGGTCGTGAGGACA
GTCATCAATGCGGACTTCCCCTTCCCGCTGGGCTGGCTCGGCGGCTACCTGGCCGTCCTC
GCGGGCGCCGGCCTGACCTTCGCACTGCAGAGCAGCAGCGTCTTCACGGCGGCCGTCGTG
CCCCTCATGGGGGTCGGGGTGATCAGTCTGGACCGGGCGTACCCCCTCTTACTGGGCTCC
AACATCGGCACCACTACCACAGCCCTGCTGGCTGCCCTGGCCAGCCCCGCAGACAGGATG
CTCAGCGCCCTGCAGGTCGCCCTCATCCACTTCTTCTTCAACCTGGCCGGCATCCTGCTG
TGGTACCTGGTGCCTGCACTGCGGCTGCCCATCCCGCTGGCCAGGCACTTCGGGGTGGTG
ACCGCCCGTTACCGCTGGGTGGCTGGGGTCTACCTGCTGCTCGGATTCCTGCTGCTGCCC
CTGGCGGCCTTCGGGCTCTCCCTGGCAGGGGGCATGGTGCTGGCCGCTGTCGGGGGTCCC
CTGGTGGGGCTGGTGCTCCTCGTCATCCTGGTTACTGTCCTGCAGCGGCGCCGGCCGGCC
TGGCTGCCTGTCCGCCTGCGCTCCTGGGCCTGGCTCCCCGTCTGGCTCCATTCTCTGGAG
CCCTGGGACCGCCTGGTGACCCGCTGCTGCCCCTGCAACGTCTGCAGCCCCCCGAAGGCC
ACCACCAAAGAGGCCTACTGCTACGAGAACCCTGAGATCTTGGCCTCCCAGCAGTTGTGA

Restriction Sites: Please inquire

ACCN: NM_001177317

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_001177317.1, NP_001170788.1
RefSeq Size:	2180 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 (2) uses an alternative acceptor splice site at the second exon resulting in a 3 nt longer 5' UTR compared to variant 1. Variants 1-3 encode the same protein.