

Product datasheet for **SC335574**

SLC26A7 (NM_001282357) Human Untagged Clone

Product data:

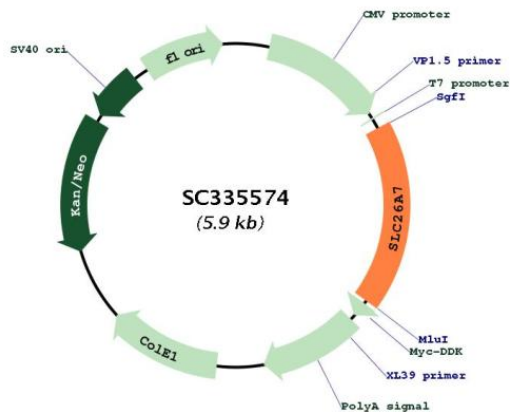
Product Type:	Expression Plasmids
Product Name:	SLC26A7 (NM_001282357) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC26A7
Synonyms:	SUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335574 representing NM_001282357. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACATCCTCTCTGCGGTGATCACTGAAGCTTTTCGGAGTGGCACTTGTAGGCTATGTGGCCTCACTG
GCTCTTGTCTCAAGGATCTGCCAAAAATCAAATATTCAATTGATGACAACCAGGAATTTTGGCCCAT
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GGCAACTGCAATGAAGAAGCTTCACAGTCTGCCCTAATGAGAAGTGTATTTAATCCTGGATTGCAGT
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TTGAGCAAACCTCAGTGACCACAGTGAAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001282357

Insert Size: 1068 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).

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_001282357.1](#)

RefSeq Size: 5172 bp

RefSeq ORF: 1068 bp

Locus ID: 115111

UniProt ID: [Q8TE54](#)

Cytogenetics: 8q21.3

Protein Families: Transmembrane

MW: 39.2 kDa

Gene Summary: This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in gene structure and protein length yet have markedly different tissue expression patterns. This gene has abundant and specific expression in the kidney. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (4) has multiple differences, compared to variant 3. This variant represents translation initiation at a downstream AUG; the 5'-most initiation codon, as used in variant 3, is associated with a truncated ORF that would render the transcript a candidate for nonsense-mediated decay (NMD). Leaky scanning may allow translation initiation at the downstream AUG to encode isoform c.