

## Product datasheet for **MC221570**

### Slc26a4 (NM\_011867) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a4 (NM_011867) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc26a4
Synonyms:	Pds; pendrin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221570 representing NM\_011867  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCGCGGGCGGCAGGTCGGAGCCGCCGAGCTCGCCAGTACAGCTGCAGTTACACGGTGTCCG  
 GGCCGGGTACAGCGAGCTCGCCTTCCAGCAGCAGCGCGAGCGGCCTGCCTGAGCGCAGGACCGTCCG  
 GGACAGCCTGGCGCGGAGCTGCAGTTGCTCAAGAAAGAGAGCCTTTGGTGTGGTAAAGACTCTCCTGCC  
 ATTCTGGACTGGCTCCAAAATACCGAGTCAAGGAATGGCTCCTCAGTGACATCATCTCCGGAGTTAGCA  
 CTGGGCTGGTGGTACCCTGCAAGGGATGGCTTATGCCCTGCTGGCAGCAGTACCTGTTCAAGTTCGGTCT  
 CTAATCTGCTTTTTCCCTATCCTGACGTATTTGTGTTCCGAACATCAAGACACATCTCAGTTGGCCCT  
 TTCCCGTGGTCAAGTAAATGGTGGGATCTGTTGTTCTGAGCATGGCTCCAGATGACCACTTTCTGTGC  
 CCAGCGGTAACGGAAGTGCATTGAACCGACCAGTTAGACACTGGAACAGAGATGCGGCCGAGTGT  
 GCTTGAAGCACACTCACTCTTCTAGTTGAATCATAACAGCTGGTGTGGAGGTTTGCAGATTGGATTC  
 ATAGTGAGGTAATGGCAGACCCCTTGGTTGGCGGATTACAACCGCTGCAGCCTTCCAAGTACTGGTCT  
 CACAGCTAAAGATCGTGCTCAATGTTTCAACAAAAAACTACAACGGCATCCTCTCCATTATCTACACACT  
 AATTGAGATTTTTCAAAATATCGGTGACACCAATATTGCCGATTTTCATCGCTGGGCTGCTGACCATCATC  
 GTCTGTATGGCTGTTAAGGAAGTAAATGATCGATTTAAACACAGAATCCCGGTGCCATTCTATAGAAG  
 TGATTGTGACAATAATTGCTACTGCCATTTCTATGGGGCAACTGGAAAAGAACTACAATGCTGGCAT  
 TGTTAAGTCCATCCCAAGTGGTCTTGGCTCCTGTCTGCCATCTGTGGGCCTGTTTTCGGACATGTTG  
 GCTGCATCCTTTCCATTGCTGTGGTGGCTTACGCTATTGAGTGTCTGTAGGAAAAGTCTACGCCACCA  
 AGCATGACTATGTCATCGATGGGAACAGGAATTCATTGCCCTTTGGGATAAGCAACGCTTCTCTGGATT  
 TTTCTCCTGTTTTGTGGCTACCACTGCTGTCTCGAACGGCTGTCCAGGAGAGCACCGGGGGGAAGACA  
 CAGGTGGCTGGCCTCATCTCAGCTGTGATTGTGATGGTTGCCATCGTTGCCCTGGGGAGGCTTCTGGAAC  
 CCTTGCAGAAGTCACTTGGCGGCCGTTGTCATTGCCAACCTGAAAGGGATGTTTATGCAGGTGTGTGA  
 CGTTCTCGTCTGTGGAAGCAGAATAAGACTGATGCTGTTATCTGGGTGTTTACATGCATAATGTCCATC  
 ATTCTGGGGCTGGACCTCGGCTTGTAGCTGGCCTTTTATTTGCACTACTGACTGTGGTCTGAGAGTTC  
 AGTTCCCTTCATGGAATGGCCTTGAAGTGTCCCAGCACAGACATCTACAAAAGCATCACACATTATAA  
 AAACCTTGAAGAGCCTGAAGGGTGAAGATCCTGAGATTTCCAGTCCCATTTTTACGGCAATGTCGAT  
 GGTTTTTAAAAATGTATCAATTCACCGTTGGATTTGATGCCATTAGAGTATATAAAGAGGCTGAAAG  
 CACTGAGAAGAATACAGAACTCATCAAAAAGGACAACCTCAGGGCAACCAAGAACGGGATCATAAGTGA  
 TATTGGCTCATCAATAATGCCTTCGAGCCTGATGAAGATGTGGAAGAGCCAGAGGAACTTAATATCCCA  
 ACCAAAGAAATTGAGATTCAGTGGACTGGAACCTCCGAACCTCCCGGTGAAAGTGAATGTCCCAAAGTGC  
 CAATCCACAGCCTGGTGTGGATTGCGGAGCTGTATCCTTCTGGATGTGGTAGGAGTGAAGTCAATGCG  
 AATGATTGTCAAAGAATTCAGAGAATTGATGTGAATGTGTACTTTGCTCTGCTTCAAGATGATGTGTTA  
 GAAAAGATGGAGCAGTGTGGTCTTTGATGACAACATTAGAAAGGACAGATTCTTTCTGACGGTTCATG  
 ATGCAATCCTCCATCTGCAGAACCAGGTCAAATCCAGAGAAGGCCAGGATTCCTGCTAGAGACGGTCCG  
 TCGATTCCGGACTGTAAGACCCTCTTGATCTGATGGAGGCAGAGATGAATGCAGAAGAGCTCGATGTT  
 CAGGATGAGGCCATGCGTAGACTTGCTTCT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_011867  
**Insert Size:** 2343 bp

**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](mailto: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](#)

**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\\_011867.3](#), [NP\\_035997.1](#)

**RefSeq Size:** 3083 bp

**RefSeq ORF:** 2343 bp

**Locus ID:** 23985

**UniProt ID:** [Q9R155](#)

**Cytogenetics:** 12 A2

**Gene Summary:** Sodium-independent transporter of chloride and iodide.[UniProtKB/Swiss-Prot Function]