

Product datasheet for **MC220146**

Slc26a7 (NM_145947) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a7 (NM_145947) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc26a7
Synonyms:	MGC30955
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220146 representing NM_145947
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGGAGCAAGAGGAAAAAGAGAAGCGTGTGTGGGCAAGATGCACACCCCCACCGAGAAGACA
 TTAAGCAGTGGTGAAGAGGCGCTACCTATCTTGAATGGGCACCGCAGTACAATCTGAAGGAAAACCT
 GCTCCAGACACTGTGTCTGGGATAATGTTGGCAGTTCACAGGTGGCACAAGGGCTGCTCTTCGCTATG
 CTTTCATCTGTACACCCAGTTTTTGGTTTATATGGATCTCTGTTCCAGCCATCATTTATGCTATATTTG
 GAATGGGACGCCATGTTGCCACAGGCACCTTGCCTTGACATCCTTGATATCAGCCAACGCTGTGGAACG
 ACTGGTCCCTCAGAGCAGCAGGAACCTCACCACACAGAGCAACTCAAGTGTGTTGGGCTTATCCGAGTTT
 GAGCTGCAGAAATCGGGTTGCAGCAGCTGTTCTTTCTGGGTGGAGTGATTCAGCTGGTCATGTTTG
 TGCTGCAGCTGGCAGTCCACATTCTGCTTACAGAGCCTGTGATCAGCGCCATGACCACAGGGCCGC
 CACCCATGTCGTGACATACAAGTCAAGTATCTCTGGGAATCAAATGCCATATATATCCGGACCACTG
 GGATTCCTTTATATTTATGCGTATGCTTTGAGAACATCAAGTCTGTCCAGCTGGAAGCACTGCTCTTTT
 CTTTGCTGAGCATCATTGCTTCTCGTTAAAGAGCTGAATGAACAGTTTAAAAAGAAAATTAAGT
 TGTTCCTCCTGTCGACTTAGTTTTGATCATTGCCGCCTCATTGCTTGCTATTGTACCAACATGGAAAAC
 ACATACGGATTAGAAGTAGTTGGGCACATTCCAACGGGATTCCTCCTCCCGTGTCCCAATGAACA
 TCCTCTCTGCAGTGTCACTGAAGCTTTCGGAGTTGCACTTGTAGGCTATGTGGCCTCGCTGGCTCTCGC
 ACAAGGATCTGCCAAGAAGTTCAAATATCAGTTGATGACAACCAGGAATTTTGGCCATGGCCTCAGC
 AACGTGATCCCTTCATTTCTCTTCTGCATCCCAAGCGCTGCCCCATGGGAAGGACGGCTGGTTTGTACA
 GCACCGCGCAAAGACGCAGGTGGCTTGCTAATATCTTGCAATTTTCGTCCTTATTGTCATCTATGCAAT
 AGGACCTGCTGTACTGGCTGCCCATGTGCTTCTTGCAAGTATTATTGTTGGGCTGAAGGGAATG
 TTAATACAGTTCGGGATTTAAAAAAATACTGGAATGTGGATAAAATCGATTGGGCATATGGATCAGTA
 CTTACATTTTTACAATATGCTTTGCTGCCAATGTGGGATTGTTGTTGGTGTATCTGCACCATAGCTAT
 CGTGTTAGGACGTTTCCAAGGGCAAAGACTTTAAGCATAACAGACATGAAAGAAATGGAATTGAAGGTG
 AAGACAGAAATGCATGATGAAACCTCGCAACAGATAAAAAATCATCTCAATAAACAACCCACTGTTTTCC
 TGAATGCAAAGAAATTTAGTGCTGATTTGATGAAAATAATCCTAAAGGAAAGTACAGCAACCAACCACT
 TGATGATGTCAGCAAGTGTGAACAGAACACCTTGCTCAGTCCCTGTCCAACGGCAACTGCAATGAAGAG
 GCTTCCAGCCCTGCTCCAGCGAGAAGTGTCTTTGGTCTGAATTGCAGTGGCTTGACCTTTTTGACT
 ACACAGGAGTCTCCACGCTTGTGAGCTCTACCTTGATTGCAAGAGCAGGAGTGTGGATGTGTTCTTAGC
 CAACTGTACTGCATCCTTGATAAAAGCAATGACATACTATGGAGACCTAGACACCGAAAAACCAATTTTT
 TTTGACTCGGTACCTGCTGCGATAAGTATCATCCAATCAAATAAGAATTTGAGCAAGGCCAGTGACCACA
 GTGAAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_145947

Insert Size: 1971 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_145947.2](#), [NP_666059.2](#)

RefSeq Size: 2371 bp

RefSeq ORF: 1971 bp

Locus ID: 208890

UniProt ID: [Q8R2Z3](#)

Cytogenetics: 4 A1

Gene Summary: Acts as a sodium-independent DIDS-sensitive anion exchanger mediating bicarbonate, chloride, sulfate and oxalate transport. May play a role in the maintenance of the electrolyte and acid-base homeostasis in the kidney, by acting as a distal excretory segment-specific anion exchanger, specifically chloride. Plays a major role in gastric acid secretion. [UniProtKB/Swiss-Prot Function]