

Product datasheet for **MR209807**

Slc26a7 (NM_145947) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>MR209807 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGGAGCAAAGAGGAAAAAGAGAAGCGTGTGTGGGCAAGATGCACACCCCCACCGAGAAGACA
TTAAGCAGTGGTGTAAAGAGGCGCTACCTATCTTGGAATGGGCACCGCAGTACAATCTGAAGGAAAACCT
GCTCCAGACACTGTGTCTGGGATAATGTTGGCAGTTCACAGGTGGCACAAGGGCTGCTTTCGCTATG
CTTTCACTGTACACCCAGTTTTTGGTTTATATGGATCTCTGTTCCAGCCATCATTATGCTATATTTG
GAATGGGGCGCCATGTTGCCACAGGCACCTTTCCTTGACATCCTTGATATCAGCCAACGCTGTGGAACG
ACTGGTCCCTCAGAGCAGCAGGAACCTCACCACACAGAGCAACTCAAGTGTGTTGGGCTTATCCGAGTTT
GAGCTGCAGAGAATCGGGTTGCAGCGGCTGTTCTTTCTGGGTGGAGTGATTCAGCTGGTCATGTTTG
TGCTGCAGCTGGCAGTCCACATTCCTGCTTACAGAGCCTGTGATCAGCGCCATGACCACAGGGCCGC
CACCCATGTCGTGACATACAAGTCAAGTATCTCTGGGAATCAAATGCCATATATATCCGGACCACTG
GGATTCCTTTATATTTATGCGTATGTCTTTGAGAACATCAAGTCTGTCCAGCTGGAAGCACTGCTCTTAT
CTTTGCTGAGCATCATTGCTTCTCGTTAAAGAGCTGAATGAACAGTTTAAAGAAAAAATTAAGT
TGTTCTTCCTGTCGACTTAGTTTTGATCATTGCCGCCTCATTGCTTGCTATTGTACCAACATGGAAAAC
ACATACGATTAGAAGTAGTTGGGCACATTCCAAACGGGATTCCTCCTCCCGTGTCCCCCAATGAACA
TCCTCTCTGCAGTGTCACTGAAGCTTTCGGAGTTGCACTTGTAGGCTATGTGGCCTCGCTGGCTCTCGC
ACAAGGATCTGCCAAGAAGTTCAAATATCAGTTGATGACAACCGAATTTTTGGCCATGGCCTCAGC
AACGTGATCCCTTCATTTCTTCTGCATCCCAAGCGCTGCCCCATGGGAAGGACGGCTGGTTTGTACA
GCACCGGCGCAAAGACGCAGGTGGCTTGTCTAATATCTTGCAATTTTCGTCCTTATTGTCATCTATGCAAT
AGGACCTCTGCTGTACTGGCTGCCCATGTGCGTCTTGCAAGTATTATTGTTGTGGGCCTGAAGGGAATG
TTAATACAGTTCGGGATTTAAAAAATACTGGAATGTGGATAAAATCGATTGGGCATATGGATCAGTA
CTTACATTTTTACAATATGCTTTGCTGCCAATGTGGGATTGTTGTTTGGTGTATCTGCACCATAGCTAT
CGTGTAGGACGTTTCCAAGGGCAAAGACTTTAAGCATAACAGACATGAAAGAAATGGAATTGAAGGTG
AAGACAGAAATGCATGATGAAACCTCGCAACAGATAAAAAATCATCTCAATAAACAATCCACTTGTTTTCC
TGAATGCAAAGAAATTTAGTGCTGATTTGATGAAAATAATCCTAAAGGAAAGTGACAGCAACCAACCACT
TGATGATGTCAGCAAGTGTGAACAGAACACCTTGCTCAGTTCCTGTCCAACGGCAACTGCAATGAAGAG
GCTTCCCAGCCCTGCTCCAGCGAGAAGTGTCTTTGGTCTGAATTGCAGTGGCTTGACCTTTTTGACT
ACACAGGAGTCTCCACGCTTGTGAGCTTACCTTGATTGCAAGAGCAGGAGTGTGGATGTGTTCTTAGC
CAACTGTACTGCATCCTTGATAAAAGCAATGACATACTATGGAGACCTAGACACCGAAAAACCAATTTTT
TTTGACTCGGTACCTGCTGCGATAACTATCATCCAATCAAATAAGAATTTGAGCAAGGCCAGTGACCACA
GTGAAGTC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209807 protein sequence
 Red=Cloning site Green=Tags(s)

MTGAKRKKRSVLWGKMHPTHREDIKQWCKRRLPILEWAPQYNLKENLLPDTVSGIMLAVQQVAQGLSFAM
 LSSVHPVFGLYGLFPAAIYIAIFGMGRHVATGTFALTSLISANAVERLVPQSSRNLTTQSNSSVLGLSEF
 ELQRIGVAAAVSFLGGVIQLVMFVLQLGSATFLLTEPVISAMTTGAATHVVTSSQVKYLLGIKMPYISGPL
 GFFYIYAYVFENIKSVQLEALLLSLSIIVLVLVKELNEQFKRKIKVVLVLDLVLIIAASFACYCTNMEN
 TYGLEVVGHIPNGIPPRAPPMNILSAVLTEAFGVALVGYVASLALAQGSAKKFKYSVDDNQEFLLHGLS
 NVIPSFLFCIPSAAMGRTAGLYSTGAKTQVACLISCFVLIYIYAIGPLLYWLPVCVLASIIIVGLKGM
 LIQFRDLKKYWNVDKIDWGIWISTYIFTICFAANVGLLFGVICTIAIVLGRFPRAKTLISITDMKEMELKV
 KTEMHDETSQQIKIISINNPLVFLNAKKFSADLMKIILKESDSNQPLDDVSKCEQNTLLSSLNNGCNEE
 ASQPCSSEKCSLVNCSGLTFFDYTGSTLVELYLDCKSRSDVFLANCTASLIKAMTYGDLDETEKPIF
 FDSVPAAITIIQSNKLSKASDHSEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_145947

ORF Size: 1971 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 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_145947.1](#), [NP_666059.1](#)

RefSeq Size: 2371 bp

RefSeq ORF: 1971 bp

Locus ID: 208890

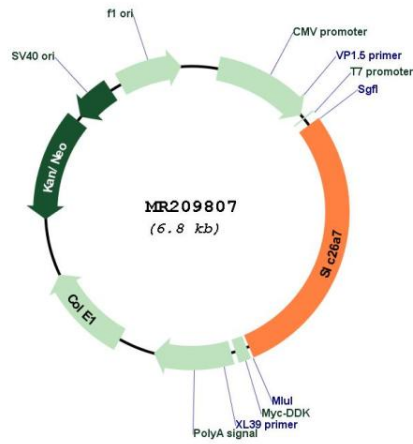
UniProt ID: [Q8R2Z3](#)

Cytogenetics: 4 A1

MW: 71.8 kDa

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]

Product images:



Circular map for MR209807