

Product datasheet for **MC221363**

Slc26a3 (NM_021353) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a3 (NM_021353) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc26a3
Synonyms:	9030623B18Rik; 9130013M11Rik; AV376035; D; Dra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221363 representing NM_021353
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCGAAGCCATAGGGAATCAGTATGTGGTGGCCAGACCGGTGTACTCCACAAAGACTTTTGGAGAGG
 AGTTTAAGAAGACGCACAGACATCAAAAGACATTCCTGGACCATCTCAAAGGGTGTGTAGCTGCTCCTC
 ACAGAAGGCCAAGAAAATCGCCCTGTCTTTGTTCCCATAGCATCTTGGTTGCCAGCCTACAAGATAAAG
 GAATGGCTTCTCAGTGACATCGTCTCTGGCATCAGCACCGGGCTGGTGGCTGTACTGCAAGGTTTAGCAT
 TTGCTCTGCTGGTCAACATCCCTCCAGCCTACGGGTTGTACGCAGCCTTTTTCCAGTCATAACCTACTT
 TTTCTGGGCACATCTAGACACATATCTGTGGTCCATTTCCAGTTCTGAGTATGATGGTGGGAGTTGTC
 GTTACAAGAGTGGTCTCGGACCCCAATGCTTCTCAGAGTTGCCTCAAGCTCCACAGAAAATGACTCGT
 TCATAGAGGAGAAAGTAATGGTGGCTGCATCAGTAACTGTTCTTCTGGAATCATTAGTTGCTCCTGGG
 GGTCTGCAGGTGGCTTTGTGGTGATACCTATCCGAGTCCCTAATCAGTGGCTTACCACGGCTGCT
 GCCATTACGTTCTGGTTTCTCAACTGAAATTCATGCTACAGCTGCCAGTCCCAGCATACAGCGACCCAT
 TCTCTATATTCAAAGTCCTGGAGTCGGTCTTACACAAAATTCAGAAGACGAACATCGCAGACCTTGTGAC
 ATCTGTGATTATCTAGTGGTCGTGTTGTCTTTAAAGAAATCAATCAGCGTTACAGAAGCAAACCTCCG
 GTGCCATCCCCATCGAACTCATGACTGTAATTGCCACAGGTGTGTCCTATGGCTGTAACCTTGAAG
 ACAGGTTTGGCGTGGCCGTGGTTGGGAACATGAGTCTTGGATTTCAACCCCTATTACACCCAGCGTGGA
 AGTTTTCCAAGACACCATAGGAGACAGCTTCGGCATCGCGATCGTCGGCTTTGCCGTGGCCTTTCCGTT
 GCCAGCGTGTACTCCCTCAAATACGATTATCCGATTGATGGCAATCAGGAGTTAATTGCCTGGGAGTGA
 GCAACATATTCAGTGGAGCATTCAAAGGATTTGCAGGGAGCACAGCCCTTCCAGATCAGGGGTTTCAGGA
 GAGCACGGGAGGCAAAACACAGGTTGCGGGCTTCTCTCAGCTGTCATCGTGTGATCGTCATAGTTGCC
 ATTGGGTTTCTTCTGCAGCCGCTACAAAAGTCTGTCTGGCAGCGCTAGCACTCGAAAATTTAAAGGAA
 TGCTGATGCAGTTTGTGAAATAGGCAGATTGTGGAAAAAGGATAAATATGATTGTTAATTTGGATCAT
 GACCTTCATCTTCGCCATTGTCTTGGACTCGGATTAGGCCTGGCGGAAGTGTAGCATTCAACTCCTA
 ACTATTGTGTTCCAGGACCAATTTCAAAGTGCAGCACATTGGCTAATGTTGGAAGGAGCAACATCTACA
 AGAATAAAAAGAATTATGCCGAAGTGTATGAGCCTGAAGGAGTAAAAATTTTAGATGTCCATCTCCAAT
 CTACTTCGCAAACATTGGTTTCTTTAAGCAGAACTTATTGATGCTGTTGGCTTTAGCCACTTCGAATT
 CTACGGAAGCGCAACAAAGCTTTGAAGAAAATCCGAAAATGCAGAAACGAGGTCTGATACAGATGACAC
 CTAAGGGTTTATATGCACCTCTGACGTTTCAAAGACTCCGACGAAGAATTGGACAACAACCAGATAGA
 AGAACTTGATCAGCCGATCAATACCACAGATCTGCCCTTTGACATAGACTGGAACGGGGATCTTCCCTC
 AACATCACCATCCCCAAAATCAGCCTCCACAGCCTCATCTCGATTTTTCCAGCAGTGTCTTTCCTTGACG
 TCTCCTCAATGAGGGGCTCAGAACGATTTTACAAGAAATTTATTAGGATCAAGGTGGACGTATATATTGT
 GGGAACCGATGATGATTTCAATGACAACTTGTCTGGTGTGAATCTTCGATGATGAAGTACAGACTCA
 ATATTTTCTTAAACAATCCATGATGCTATTTTGCATATTTGATGAAGAAGGACTACAGCACTTCAAAGT
 TTAATTCAGCCAGGAAAAAGAAAGAAATTTGACTTTACCATAAATACAAATGGAGGACTACGTAATCG
 GGAAATGTCAGGTACCAGTTGAAACGAAATTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2135_h05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_021353

Insert Size: 2274 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](#)

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_021353.3](#), [NP_067328.1](#)

RefSeq Size: 2911 bp

RefSeq ORF: 2274 bp

Locus ID: 13487

UniProt ID: [Q9WVC8](#)

Cytogenetics: 12 13.45 cM

Gene Summary: This gene encodes a member of the solute carrier/sulfate transporter family. The encoded protein is predominantly expressed in the intestine where it is essential for chloride absorption. Disruption of this gene results in chloride-rich diarrhea and compensatory up-regulation of ion-absorbing transporters. [provided by RefSeq, Dec 2012]