

Product datasheet for **MR207338**

Slc46a3 (NM_027872) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc46a3 (NM_027872) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc46a3
Synonyms:	1200006F02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207338 representing NM_027872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATTTTCATTCATAGAGCCCGCCATTCTCCTGAACGCGTTTGTATGACTCTGACCATCCCGCTGA
 CAGCGCAGTACGTGTACCGGAGGATCTGGGAGGAAACCGGTAACACACCTTTGCTTCCAATAGCAATGG
 CTCTGAGTGTGACCAAAAACAAAGCAGCTCCATCTTTGCATTCCGGGAGGAAGTTCAGAAAAAGGCATCT
 CTCTTCAACCTGCAGGTGGAATGAGTGCCTTAATTCCTGGTCTGGTGTCTACCTTCATGCTTTTAGCGA
 GCAGCGACAACCACGGACGGAACTTCCATGGTCTGTCTCTTGGCTCTCTGGGTACCAACTTTG
 GCTGTGCATGATGCTACTTTGACCTTCTCCAGCTTCTGATAGCATCCACCTTTATTGGCGCCCTC
 TTTGGGAATTACACCACGTTCTGGGAGCTTGGCTCGCCTACATTGTGGATCAGCAGAAAGAATAACAAGC
 ATAGAATCATCCGCATAGCCATCTGGATTTTCATGCTTGGAGTCGTTACTGGGCTAACAGGCTGTCTATC
 TGGCTATTTTATCCGAGAACTGGGTTTTGTGTGGTCTATTTTATAACTGCCATGGTTCTTATAGTCAAC
 CTGGCCTACATTTTATTTTCTCAATGATCCCATAAAGGAGTCTTCATCTCAGATTGTGACTATGTCAT
 GTATCGAAAGCCTTAAGGACCTATTTTACCGGACTTACATGCTTTTTTAAAAATGGTTCAGTAAGCGGCA
 GGCTTTGCTTTGTCTGCTGATTTTACCCTTGTCAATTTTCTTTGTGATAATCGGAATCTCCCAATT
 TTTACACTTTATGAGCTGGGCCCTCCGCTCTGTGGAATGAGGTTTACATAGGCTATGGTTCAGCTCTGG
 GCAGTGTCTCCTTTTTAAGTAGTTTCTAGGCATCTGGCTATTTTCTTATTGTTGAAGGATTTACAT
 TGCCTATATTGGCATTTTACCACCATGGTGGGATGACGCTGGCTGCCTTACCAGGACCCTCTAATG
 ATGTTTTTAGTCAGGATCCGTTTCAATTTACCACCATGCCACTTCCGCTCCTGAGGTCCATGCTGTCAA
 AGGTGGTCCACTCGACTGAGCAAGGTGCGTTGTTGCTGTATAGCTTTCTTAAAGACGCTGGCTGGGGT
 CACTTCGACCTCTGCGTACAGTGGGATTTACTAGCCACTGTTGCCTGGTACCCTGGCTTCATCTTCTCTG
 CTGTCCGCTGGCCTCCTGGTCTCCAGCCATCAGTCTATGCTGCGTCAAGAGCATTGGCTGGGAAGAGG
 GAAGCTACACACTCTCGTCCACGAAGAACCAGTGAGCACACATCAGAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207338 representing NM_027872
 Red=Cloning site Green=Tags(s)

MKISFIEPAILLNAFAMTLTIPLTAQYVYRRIWEETGNYTFASNSNGSECDQNKSSSIFAFREEVQKKAS
 LFNLQVEMSALIPGLVSTFMLLASSDNHGRKLPMLVSSLGSLGTNTWLCMMSYFDLPLQLLIASFIFAL
 FGNYYTTFWGACFAYIVDQQKEYKHRIIRIAILDFMLGVVTGLTGLSSGYFIRELGFVWSYFITAMVLIVN
 LAYILFFLNDPIKESSSQIVTMSIESLKDLYFRTYMLFKNGSSKRQALLCLLIFTLVIYFFVIIIGISPI
 FTLYELGPPLCWNEVYIGYGSALGSVSFLSSFLGIWLFYCLKDIHAIYIGIFTTMVGMTLAAFTRITLM
 MFLVRIPFIFTIMPLSVLRSMKVVHSTEQGALFACIAFLETLAGVTSTSAYSGIYSATVAWYPGFIFL
 LSAGLLVLPAILSLCCVKSIGWEEGSYLLVHEEPSEHTSD

SGPTRTRPLEQKLI**SEEDLAANDILDYKDDDDKV**

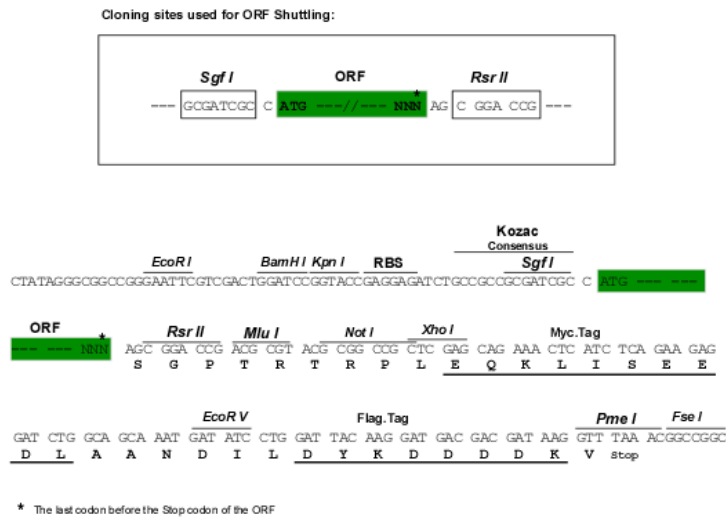
Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_c09.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_027872

ORF Size: 1380 bp

OTI Disclaimer: 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_027872.4](#)

RefSeq Size: 2421 bp

RefSeq ORF: 1383 bp

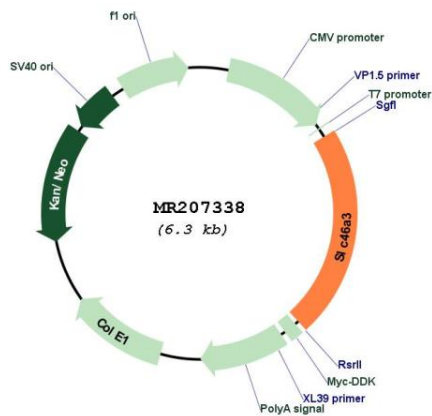
Locus ID: 71706

UniProt ID: [Q9DC26](#)

Cytogenetics: 5 G3

MW: 51.8 kDa

Product images:



Circular map for MR207338