

Product datasheet for **MR227362**

Slc15a2 (NM_021301) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc15a2 (NM_021301) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc15a2
Synonyms:	8430408C16Rik; C78862; Pept2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR227362 representing NM_021301
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTGAGGAGAGAGAGTAAGGAGCCAGCCATGAATCCTTTCCAGAAAAATGAGTCCAAGGAAACGC
 TCTTTTACCTGTCTCTACTGAAGAGATGCTGCCTGGACCTCCAAGCCCTCCAAAGAAGTCAACTCCGAA
 GCTCTTCGGCTCTAGCTACCCACTCAGCATCGCCTTCATTGTGGTGAACGAATTCGCGAGCGATTTTCC
 TATTATGGCATGAAAGCTGTGTTGACCTTGATTTCTGTACTTCCTGCACTGGAATGAAGACACGTCCA
 CATCTGTCTACCATGCCTTCAGCAGCCTCTGCTATTTACCCCCATCTGGGAGCAGCGATTGCTGACTC
 CTGGCTGGGAAAATTCAAGACAATCATCTATCTGTCCCTGGTGTATGTTCTTGGCCATGTATTCAAGTCT
 TTGGGTGCCATACCAATACTGGGAGGAAAATGCTACATACAATCTTATCATTGGTTGGCCTGAGTCTCA
 TAGCTCTGGGAACAGGAGGTATCAAACCCTGTGTGGCAGCTTTTGGCGGAGACCAGTTTGAAGGGAACA
 TGCAGAGGCACGGACTAGATACTTCTCGTCTTCTACCTCTCCATCAATGCAGGGAGCTTGATTTCTACG
 TTCATCACACCCATGCTAAGAGGGGATGTGAAGTGTTCGCGAAGACTGCTATGCATTGGCTTTTGGGA
 TTCCAGGATTGCTCATGGTGTGGCACTTGTGTGTTGCAATGGGAAGCAAGATGTACAGAAAACCGCC
 TCCTGAAGGGAACATAGTGGCTCAAGTTACCAATGTATATGGTTGCTATCTGCAACCGCTTCAGGAAC
 CGTTCTGAGGACATTCAAAGCGACAACATTGGCTAGACTGGGCAGCAGAAAAATACCCAAGCACCTCA
 TTATGGACGTGAAGGCACTGACCAGGATACTGTTCCCTTATATCCCACTGCCCATGTTCTGGGCTCTTTT
 GGACCAACAGGGCTCACGGTGGACTCTGCAAGCTAACAAAATGGATGGCGATTTGGGATTTTTGTACTT
 CAGCCGGATCAGATGCAGGTGCTAAATCCCTTCTGGTCTTGTCTTATCCCATTTGTTGACCTTGTC
 TTTATCGGCTGATCTCCAAGTGGGAGTTAACTTCTGCTACTCAGGAAAATGGCTGTTGGTATGATCCT
 AGCGTGTTCGCAATTTGCAGTTGCAGCGCTTGTAGAGATAAAAAATAAATGGAATGATCCATCCTCAGCCA
 GCTTCCCAAGAGATTTTTCTGCAAGTCTGAACTTGGCAGATGGTAAAATAGAGGTGACAGTGCAGGGAA
 ACAGAAAATACTCTCTTGGTGGAGTCCATCAGCTCTTTTCCAGAACACAACACTATTGAAACTACG
 CCTGGAGACAAAAAGCCAAGACTTACATTTTCTGAGTACAACAACCTGTCTGTCCACAATGAGTAC
 TCTGTAGAGGAGAAGAACTGTTACCAGTTGGTGGTTTCATGAGAATGGAGAAAGTCTCTCCAGTATGCTGG
 TAAAGGACACAGGAATCAAACCAGCCAATGGGATGACAGCCATCAGGTTTATTAACACTTGCATAAAGA
 CATGAATATTTCTTGGATGCCAATGCTCCTCTCAGCGTGGGCAAAGACTATGGAGTGTCTGAGTACAGA
 ACTGTGCAAAAGAGGAAAGTATCCTGCAGTGCATTTGTGAAACGGAAGACAATGCTTTTCTCTCAATTTAG
 GTCAACTAGACTTTGGTACAACATATTTGTTTGTGATCACTAATATCACCAACCGGGTCTTCAGGCCTG
 GAAGGCAGAAGACATTCAGCCAATAAACTATCCATTGCATGGCAGCTACCACAGTATGTCTGGTTACA
 GCAGCAGAGGTGATGTTTTCTGTACAGGACTTGAATTTTCTTATTCTCAGGCACCATCTAGCATGAAAT
 CTGTGCTCCAGGCAGCCTGGCTGTTGACCGTTGCAGTTGGGAATATTATTGTGCTGATCGTGGCAGATT
 CAGTGGCTGGTGCAGTGGGCTGAATTCGTTTTGTTTTCTGCCTCCTGCTGGTGGTCTGCCTGATCTTC
 TCCGTCATGGGCTACTACTATGTTCTCTAAAGTCAGAGGGTATCCATGAGGCAACAGAAAAGCAGATTC
 CTCACATCCAGGGGAATATGATCAACCTAGAAAACCAAGAATACAAGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227362 representing NM_021301
 Red=Cloning site Green=Tags(s)

MLEERESKEPAMNPFQKNESKETLFSVSTEEMLPGPPSPKKSTPKLFGSSYPLSIAFIVNEFCERFS
 YYGMKAVLTLFYFLHWNEDTSTSVYHAFSSLCYFTPILGAAIADSWLGKFKTIIYLSLVYVLGHVFKS
 LGAIPILGGKMLHTILSLVGLSLIALGTGGIKPCVAAFGGDQFEEHAEARTRYFSVFYLSINAGSLIST
 FITPMLRGDVKCFGEDCYALAFGIPGLLMVLALVVFAMGSKMYRKPPEGNIVAQVTKCIWFAICNRFN
 RSEDIPKRQHWLDWAAEKYPKHLIMDVKALTRILFLYIPLPMFWALLDQQGSRWTLQANKMDGDLGFFVL
 QPDQMQLVLPFLVLFIPFLDLVIYRLISKGVNFSSLRKMAVGMILACLAFAVAALVEIKINGMIHPQP
 ASQEIFLQVLNLADGEIEVTVQGNRNNPLLVESISSFQNTTHYSKLRLETQSQDLHFHLKYNNLSVHNEY
 SVEEKNCYQLVVHENGESLSSMLVKDTGIKPANGMTAIRFINTLHKDMNISLDANAPLSVGKDYGVSEYR
 TVQRGKYPVHCETEDNVFSLNLGQLDFGTTYLFVITNITNRGLQAWKAEDIPANKLSIAWQLPQYVLT
 AAEVMFSVTGLEFSYSQAPSSMKSVLQAALLTVAVGNIIVLIVAQFSGLVQWAEFVLFSCLLLVLCLIF
 SVMGYVVPLKSEGIHEATEKQIPHIQGNMINLETKNTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_021301

ORF Size: 2220 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_021301.1](#), [NM_021301.2](#), [NM_021301.3](#), [NP_067276.2](#)

RefSeq Size: 4007 bp

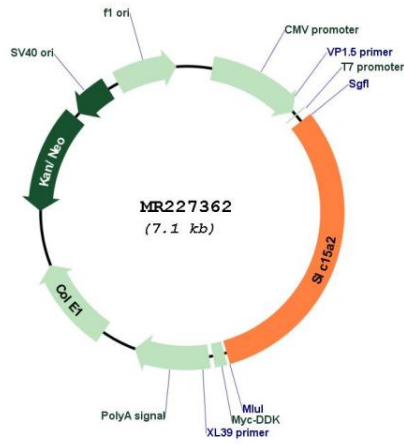
RefSeq ORF: 2223 bp

Locus ID: 57738

Cytogenetics: 16 B3

MW: 83.4 kDa

Product images:



Circular map for MR227362