

Product datasheet for **MG209157**

Slc13a2 (BC013493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc13a2 (BC013493) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc13a2
Synonyms:	mNaDC-1; Nadc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG209157 representing BC013493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACCTGCTGGCAGGCACTATGGGCCTATCGCTCCTACCTGATTGTGCTATGTCTGCCATTTTCC
 TGTTCCTCTGCCACTCATTGTCCAACTAAGGAAGCCTACTGTGCTTACTCCATCATCCTCATGGCGCT
 GCTGTGGTGTACAGAGGCCCTGCCCTTGGCTGTACCGCCCTCTTCCCCATCATCCTCTTCCCTTTGATG
 GGTATCATGGAAGCCTCCAAGTCTGCTTAGAGTACTTCAAGGACACCAACATATTGTTCTGTCGGGGGTC
 TGATGGTGGCCATCGCCGTGGAGCACTGGAACCTGCACAAGCGCATTGCCCTTGGAGTGTCTTTATCAT
 AGGAGTGCAGGCCCGCCCTGCTGCTTCTGGGCTTCATGTTGGTACAGCCTTCTCTCCATGTGGATCAGC
 AACACAGCCACCACAGCCATGATGCTGCCATCGGGTATGCAGTCTGGAGCAGCTGCAGGGCTCACAAA
 AGGATGTGGAGGAAGCAATAGTAACCCCTTCTTTGAGCTCCAGGAAGCAAGTCCCAGAAGGAGGAGAC
 CAAGCTTGATAACGGTCAAGGCTGTATCTGTTTCTCGGAGCCAAGAGCTCAGAAGACCAAGAGCATCAC
 CGCTTCAGCCAGGGCCTGAGTCTCTGCATCTGCTACTCAGCCAGCATTGGGGGCATTGCCACCCTGACGG
 GTACCACACCCAACTGGTGTCTCAAGGCCAGGTCAACTCGATCTTCCCTGAAAAATGTAACGTGGTGAA
 CTTTGCTTCATGGTTTGGTTTGGCTTCCCCACCATGGTGATCTTGTGCTACTGGCTTGGCTATGGCTA
 CAGGCTCTTCTCTGGGTGTCAACTTCCGGAAGAACTTTGGCTTGGGGAAGGGGAAGAGGAACGGAAGC
 AGGCTGCCTTCCAGGTATCAAGACCCAGCACAGGCTGCTGGGCCCATGAGTTTTGCAGAGAAGGCTGT
 CACTTCTCTGTTGTCTGCTAGTGGTCTCTGGTTCACGAGGGAGCCGGGCTTCTTCCAGGCTGGGGT
 GACACAGCTTTCGCCAATAAAAAAGGGCAAAGCATGGTATCAGATGGGACAGTGGCCATCTTTATCAGCC
 TGATTATGTTTCATACACCTCCAAGATTCAGGACTAACCGAGGACCCAAAAAACCGGAAGCTGAA
 GGCTCCTCTGCCATCCTCACCTGGAAGACAGTGAACGATAAGATGCCCTGGAATATCCTGATCTTGCTG
 GGTGGGGGCTTGGCCCTGGCCAAAGGCAGTGAGGAATCAGGTTTGTCTAAGTGGCTGGGAGACAACTGA
 CCCCCTGCGAGCAGTACCGCCATCAGCCACCGTCTCATCCTCTCTATTGGTGGCCATCTTCACTGA
 GTGCACCAGCAACGTGGCCACCACTACACTATTTCTGCCATCCTGGCTCCATGGCACAGGCCATCTGC
 CTTACCCGCTCTATGTCATGCTTCCCTGCACCCTGGCTGCCTCCCTAGCTTTCATGCTACCCGTGGCCA
 CTCCACCAACGCCATTGCTTCTCTTTGGAGGCCTCAAAGTGTCTGATATGGCCCGTGCAGGATTCT
 GCTCAATATCATCGAGTGTGACTATCACATTATCCATAAACAGCTGGAGTATCCCTATCTTCAAGCTG
 GACACATTTCCACCTGGGCTACTCCAACACAAGCCAGTGCCTTCTCAATCCGCTAATCCACTGTAC
 CAGGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209157 representing BC013493
 Red=Cloning site Green=Tags(s)

MATCWQALWAYRSYLIVLCLPIFLLPLPLIVQKEAYCAYSIIIMALLWCTEALPLAVTALFPIILFPLM
 GIMEASKVCLEYFKDTNILFVGLMVAIAVEHWNLHKRIALGVLLIIGVRPALLLGFMLVTAFLSMWIS
 NTATTAMMLPIGYAVLEQLQGSQKDVVEEGNSNPSFELQEASPQKEETKLDNGQAVSVSSEPRQKTEHH
 RFSQGLSLCICYSASIGGIATLTGTTPLNLVQGVNSIFPENSNNVNFASWFGFAFPTMVILLLLAWLWL
 QVLFLGVNFRKNFGFEGEEERKQAAFQVIKTQHRLLGPMSEAEKAVTFLVLLVVLWFTREPGFFPGWG
 DTAFAANKKGQSMVSDGTVAIFISLIMFIIIPSKIPGLTEDPKKPGKLGKAPPAILTWKTVNDKMPWNILILL
 GGGFALAKGSEESGLSKWLDKLTPLQHVPPSATVLLSLLVAIFTECTSNVATTLFLPILASMAQAIC
 LHPLYVMLPCTLAASLAFMLPVATPPNAIVFSFGGLKVSDMARAGFLLNIIGVLTITLSINSWSIPIFKL
 DTFPTWAYSNTSQCLLNPPNSTVPGH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC013493

ORF Size: 1760 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: [BC013493](#), [AAH13493](#)

RefSeq Size: 2211 bp

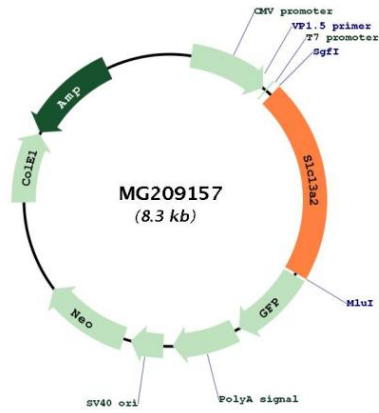
RefSeq ORF: 1760 bp

Locus ID: 20500

Cytogenetics: 11 46.74 cM

Gene Summary: Cotransport of sodium ions and dicarboxylates such as succinate and citrate.
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209157