

Product datasheet for **MG207281**

Slc29a2 (BC048958) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc29a2 (BC048958) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc29a2
Synonyms:	ENT2, HNP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207281 representing BC048958
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCGGGAAACGCCCTCGGGACAGCTACCACCTGGTTGGGATCAGCTTCTTCATTCTGGGACTGG
 GCACCTTCTCCCTGGAACCTTCTCATTACCGCCATCCCGTACTTCCAGGGCGGTTAGCAGGGACCAA
 CAGCAGTGCTGAGACCATGGGCACCAACCAACACAGTCCACAGACACTTCAACTTCAACAACTGGGTG
 AACTGCTGTCCAGCTGCCTCTACTGCTCTTACGCTCCTCAACTCCTTCTGTATCAGTGCATCCCCG
 AGTCGGTGCAGTCTGGGCAGCCTGCTGGCCATACTACTGCTCTTGGCCTGACAGCAGCGTTGGTGAA
 GGTGGACTTGAGCCCTGGGCTGTTCTTCTGTCAACATGGCGTCCGTCTGGTTCATCAATTCCTTCTGT
 GCCGTGCTCAAGGCAGCCTCTTGGGCAGCTGGTACCATGCCTTCTACCTACAGCACCTCTTCTCTCA
 GTGGCCAGGGCCTGGCTGGGATCTTCGCTGCCCTTGTATGCTCATGCTTGGCCAGTGGCGTGGATGC
 CCAGACCTCTGCTTTGGATACTTCATCACACCCTGTGTGGGCATCCTCCTCTCCATCGTATGTTACCTC
 AGCCTGCCTCATCTGAAGTTGCCCCGTTACTACCTGACCGAGAAGCTGTCTCAGGCTCCAACCTCAGGAGC
 TGGAGACTAAAGCTGAGCTCCTCCAAGCTGATGAGAAGAATGGGGTTCATCAGCCCCAACAGGCCAG
 CCCAACTCTGGATCTTGACCCTGAGAAGGAGCCAGAGCCGGAGGACACAGAAGCCAGGAAAACCTTCA
 GTCTTTGTTGCTTCCGGAAGATCTGGCTGACGGCGCTGTGCCTTGTGTTGGTCTTACAGTCAACCTGT
 CGGTCTTCTGCCATCACAGCCATGGTGACCACAGCTCCAATAGCCCCGGGAAGTGGGGTCTGTTCTT
 CAACCTATCTGTTGCTTCTGCTCTTCAACGTCATGGATTGGCTGGGCCGGAGCCTGACCTCCTACTTC
 CTGTGGCCAGATGAGGACAGTCAAGCAGCTGCTGCCCTGCTGGTGTGCCTGCGCTTCTGTTTGTCCAC
 TCTTCATGCTGTGCCACGTGCCACAGCAGCCGGTCCCATCATCTTACAGCAGGATGCCTACTTCAT
 CACCTTCATGCTGCTCTTCGCTGTTTCCAACGGCTACTTGGTGTCTCTACCATGTGCTGGCACCCAGG
 CAGGTGTTGCCACATGAGAGGGAGGTAGCCGGAGCCCTCATGACCTTCTTCTGCGCCTGGGACTCTCT
 GCGGAGCCTCCCTCTCTTCTTCAAGGCTTACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207281 representing BC048958
 Red=Cloning site Green=Tags(s)

MARGNAPRDSYHLVGISFFILGLGTLPLWNFFITAIPYFQGRLAGTNSSAETMGTNHTSPTDTFNFNNWV
 TLLSQLPLLLFTLLNSFLYQCIPESVRILGSLLAIIILFALTAALVKVDLSPGLFFSVTMAVWFINSFC
 AVLQGSFLGQLGTMPTSTYTLFLSGQLAGIFAALAMLMSLASGVDAQTSALGYFITPCVIGILLSIVCYL
 SLPHLKFARYYLTEKLSQAPTQELETKAELLQADEKNGVPISPQQASPTLDLDPEKEPEPEEPQKPGKPS
 VFVFRKIWLALCLVLFVTVLSVFPAITAMVTTSSNSPGKWGLFFNPICCFLLFNVDWLGRLTSYF
 LWPDEDSQQLPLLVLRFVPLFVPLFMLCHVPQHARLPIIFRQDAYFITFMLLFAVSNGYLVSLTMCLAPR
 QVLPHEREVAGALMTFFLALGLSCGASLSFLFKALL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC048958

ORF Size: 1370 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: [BC048958](#), [AAH48958](#)

RefSeq Size: 2626 bp

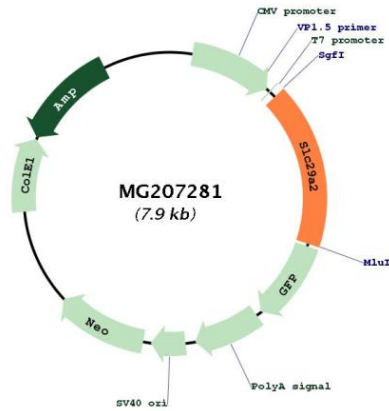
RefSeq ORF: 1370 bp

Locus ID: 13340

Cytogenetics: 19 A

Gene Summary: Mediates equilibrative transport of purine and pyrimidine nucleosides, and the purine base hypoxanthine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207281