

Product datasheet for **MG212856**

Slc17a3 (NM_001164743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a3 (NM_001164743) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc17a3
Synonyms:	AW261723; Npt4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212856 representing NM_001164743
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACAGTGGTAGAGATGAGCCCTACAAGTGAGCAGAGTGGATTCGTCCTAGGTACACCAGTGAACA
 AGAAGACCCCTGCCCTGAAAGTCCCGAGTTTATGTTCCATGCGCTATGGAATCGCCTTCGTACACATTT
 CTGCAATTTACACTGATGGCGCAGAATTCTATTATAAGCATCACCATGGTAGCCATGGTCAACAACACC
 GACCACCCACCCACCTCAATAGCTCTACTGAACAGCTTCTGCGGGTTAAGCGGTGATCAGCATGAAG
 CCTCAAAGCATCTTCTATAAAGGCCCTGTGTATAACTGGAGTCTCAAACCTCAAGGAATCATCTTCAG
 CTCTGTCCAGTATGGCATGATACTGATGCAAGTCTGGAGGATACTGGCAGGGAAAATAGGAACAAAG
 AAAGTGGTTGGAATTGCTGCTGGATCTTCATTACTCACTCTGTCATCCACTGACTGCCAATCTTG
 GACTAGTTTTTTCTGGCAACTCGAGCAGTTCAAGGCTTAATGCAGGGCACTGGATATGGGGACAGTT
 TGCCTCTGGCAGAAATGGGCTCTCCGAATGAGCGCAGCCGACTCTGCACCATTGCCTTGTGAGGAATG
 ACATTGGGAATCTTACTGTCTCTTGTGGGCGGCATCATTAGTGAAGCCCTGGGTGGCCCTTTGTCT
 TCTATAGTTTTGGAGTGGTGGTGTGCTCTGCAGCCTTCTCTGGTTCACTCTGATTTATGATGACCTGT
 CTCTCACCCATGGATAAGTGGCCAGAAAGAGAAATATATTTTATCCTCTCTGAACCAACAGTTACGCTCA
 GAAGAGCAGCCACTTCCCATAAAGCTATGCTCAAATCTCTGCCTCTCTGGTCCATGTGTCTCTGCACTA
 TGACCCATCAGTGGCTTGTAAACACCTTATAATGTACTCAACCTACATCAGTTCTGTATTCAAAGT
 TAACATCAGAGACAATGGGTTCTGTCTCTCTCCCTTATTGTTGCCTGGGTCCTTGGTATCTGGGA
 GGCTGGCTGGCAGATTTTCTACTGAGCAAGAATTTAGGCTCATAACTGTGAGAAAATTCATCACACTTT
 TAGGAAATGCTCCTCTGCAGCCCTCGTTGCGGCTCTGCCCTATATCCAATCCAGCTATATACAACAAT
 TATATTTCTGACAATTTCTGTGGACTGTGCCCTCTATCTCAGGCAGGAATCTATATTAATGCGTTAGAC
 ATTGCTCAAGGTATGCCAGTTTCTCATGGAAACATCAAGAGGATTGGCACATTCATCGCTGTGCTGG
 TACCCATTGTTGCTGGCTTTTCTCAGCCAGGACTCTGAATTCGGGTGGAGGAATTTCTTTTTTGTAGT
 GTTTGCAGTTAACCTACTTGGCTTAATCATCTACCTCGTGTGGGAAAGCAGATGTTCAAGAAATGGGCT
 AGAGAGAGGAAGCTCACTCGTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212856 representing NM_001164743
 Red=Cloning site Green=Tags(s)
 MATVVEMSPTSEQSEFVLGTPVNNKTPALKVPSLCSMRYGIAFVTHFCNFTLMAQNSIIISITMVMVNNT
 DHPHPLNSSTEQLPAGLSGDQHEASKHLPKAPVYNWSPQTQGIIFSSVQYGMILMQGPGGYLAGKIGTK
 KVVGIALLGSSLLTLCIPLTANLGLVFFLATRAVQGLMQGTGYGGQFALWQKWAPPNERSRLCTIALSGM
 TLGIFTVLLVGGIISEALGWPFVYFSGGGVLCSSLWFILYDDPVSHPWISGPEREYILSSLNQQFSS
 EEQPLPIKAMKSLPLWSMCLCTMTHQWL VNTFIMYPTYISSVFKVNIRDNGFLSSLPFIVAWVLGILG
 GWLADFLLSKNFRLITVRKFITLLGNAPPAALVAALPYIQSSYITTTIIFLTISCGLCPLSQAGIYINALD
 IAPRYASFLMGTSRGLAHSSAVLVPIVAGFFLSQDSEFGWRNFFVVFVAVNLLGLIIYL VFGKADVQEWA
 RERKLTRL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001164743

ORF Size: 1386 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_001164743.1](#), [NP_001158215.1](#)

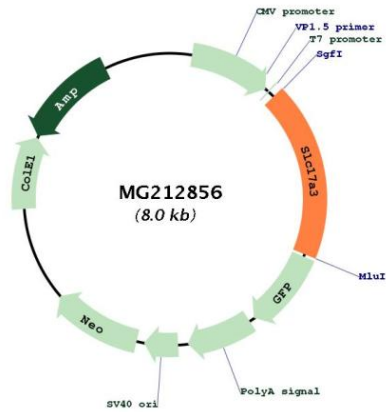
RefSeq Size: 4152 bp

RefSeq ORF: 1389 bp

Locus ID: 105355

Cytogenetics: 13 A3.1

Product images:



Circular map for MG212856