

Product datasheet for **MG205459**

Slc25a3 (NM_133668) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a3 (NM_133668) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc25a3
Synonyms: 5730556H19Rik; Phc; PTP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205459 representing NM_133668
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCTCGTCCGTAGCGCACCTGGCGGGCGAACCCCTTCAACGCGCCACACCTGCAGCTGGTGCACG
 ATGGCCTGTCGGGTCCCCGAGTCCCCAGCTCCGCCCGCGTTCGCCACCTGGCCGCCGCCCGCT
 GGAAGAGTACAGTTGTGAATTTGGCTCCATGAAGTATTATGCACTGTGTGGCTTTGGTGGGTCTTAAGT
 TGTGGCTGACACACACTGCTGTTGCCCTGGACTTAGTAAAGTGCCGCATGCAGGTGGACCCTCAGA
 AGTACAAAGGCATATTTAATGGATTCTCCATTACACTGAAAGAAGATGGCGTTCGTGGTTTGGCTAAAGG
 ATGGGCCCAACTTTGATTGGCTATTCCATGCAAGGGCTCTGCAAATTCGGCTTTTATGAAGCTTCAA
 GCCTTATATAGCAACATACTTGGTGAGGAAAACCTACCTGTGGCGCACATCACTGTATTTAGCTTCTT
 CTGCCAGTGTGAATTCTTCGCTGACATTGCCCTGGCTCCTATGGAAGCTGCTAAAGTTCGAATTCAAAC
 CCAGCCTGGTTATGCCAACACCTTGAGGGAAGCTGTTCCCAAATGTATAAAGAGGAAGGCTTAAATGCG
 TTCTACAAGGGCGTTGCTCCTCTGTGGATGAGACAGATCCCGTACACCATGATGAAGTTCGCTGCTTTG
 AACGACTGTTGAAGCTTTGTACAAATTTGTGGTTCCTAAGCCCCGAAGTGAATGTACAAAGGCAGAGCA
 GCTGGTTGTGACATTTGTGCGAGTTACATAGCTGGAGTCTTCTGTGCGATCGTCTCCACCCTGCTGAC
 TCTGTGGTCTCTGTGCTGAATAAAGAGAAAGGCAGCACCCTGCTCAGGTCTGCAGAGGCTGGGCTTCA
 GAGGTGTGTGGAAGGGCTCTTCGCCGAATCATCATGATTGGCACTCTGACTGCATACAGTGGTTCAT
 CTACGACTCTGTGAAGGTCTACTTCAGGCTCCCTCGCCCTCCTCCCCCTGAGATGCCAGAGTCTCTGAAG
 AAGAAGCTTGGTTAACTGAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205459 representing NM_133668
Red=Cloning site Green=Tags(s)

MFSSVAHLARANPFNAPHLQLVHDGLSGPRSPAPPRRSRHLAAA AVEEYSCEFSGSMKYALCGFGGVLSCGLTHTAVVPLDLVKCRMQVDPQKYKGI FNGFSITLKEDGVRGLAKGWAPTLIGYSMQGLCKFGFYEVFKALYSNILGEENTYLWRTSLYLASSASAEFFADIALAPMEAAKVRIQTQPGYANTLREAVPKMYKEEGLNAFYKGVAPLWMRQIPYTMKFCACFERTVEALYKFVVPKPRSECTKAEQLVVTFFVAGYIAGVFCAIVSHPADSVVSVLNKEKGSTASQVLQRLGFRGVWKGLFARIIMIGTLTALQWFIYDSVKVYFRLPRPPPEMPESLKKLGLTE

TRTRPLE - GFP Tag - V

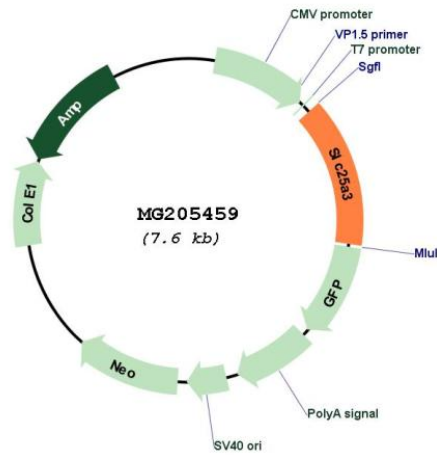
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133668

ORF Size:	1071 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:	<ol style="list-style-type: none">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_133668.4
RefSeq Size:	1514 bp
RefSeq ORF:	1074 bp
Locus ID:	18674
UniProt ID:	Q8VEM8
Cytogenetics:	10 C2
Gene Summary:	Transport of phosphate groups from the cytosol to mitochondrial matrix. Phosphate is cotransported with H(+). May play a role regulation of the mitochondrial permeability transition pore (mPTP) (By similarity).[UniProtKB/Swiss-Prot Function]