

Product datasheet for **MG204584**

Slc25a42 (NM_001007570) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a42 (NM_001007570) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc25a42
Synonyms: 2900084M01Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204584 representing NM_001007570
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTAATGGTGTGCAGGAAGGCTCGGTGCGCCTGCGAGAGGATGCTGAAGCCGTCTGGCTGGGGCCG
TCTCCTCGAAGAGAGACCACAGGCAAGTGCTCAGCTCCCTGCTGTCTGGAGCCCTGGCTGGTGCCTTGC
CAAGACAGCAGTAGCCCCCTGGACCGGACCAAGATCATCTTCCAAGTGTCTTCAAAAAGATTTTCTGCC
AAGGAGGCCTCCGGCTCCTCTACTTCACCTACCTCAATGAGGGCTTCTCAGCCTTTGGCGTGGGAAT
CAGCCACCATGGTGCAGTGATTCTTATGCAGCCATCCAGTTCAGCGCACACGAAGAATAACAAGCGCAT
CCTGGGCCACTACTATGGCTTTCTGGGAGAACCCCTGCCCCATGGCCACGCCTCCTGGCTGGCGCCTTG
GCAGGAACCACTGCGGCTTCCCTCACGTACCCTTTGGACCTGGTTAGAGCAAGGATGGCTGTGACGCCTA
AGGAAATGTACAGCAACATCTTTCATGTCTTACCGAATCTCGAGAGAGGAAGGACTGAAGACCCTCTA
TTTCGGGTTACCCCCACTGTGCTGGGTGTCATTCCCTATGCGGGACTCAGCTTCTTACGTATGAGTCA
CTGAAGAGCCTGCACCGAGAGTACAGTGGCCGCCGACGCCCTACCCCTTGAGCGCATGGTCTTCGGGG
CCTGTGCTGGCCTTATCGGGCAATCGGCCTCCTACCCTCTGGACGTGGTGGCGGCGCATGCAGACAGC
AGGTGTACGGGCCACCAGCACGGCTCCATCCTGAGCACACTACGCTCCATTGTACGTGAGGAGGGCGCG
GTGCGGGCCCTACAAGGGCCTGAGCATGAACTGGCTGAAGGGCCCAATTGCCGTGGGGATCAGCTTCA
CCAATTTGCACCTCATGCAGATCCTGCTGCGCCGGCTGCAGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204584 representing NM_001007570
 Red=Cloning site Green=Tags(s)

MGNVQEGSVRLREDAEAVLAGAVSSKRDRHQVLSLLSGALAGALAKTAVAPLDRTKIIFQVSSKRFSA
 KEAFRLLYFTYLNELGFLSLWRGNSATMVRVIPYAAIQFSAHEEYKRILGHYYGFRGEALPPWRLLAGAL
 AGTTAASLTYPDLVRRARMAVTPKEMYSNIFHVFIRISREEGLKTLYFGFTPTVLGVIPYAGLSFFTYES
 LKSLHREYSGRPQYPFERMVFACAGLIGQSASYPLDVVRRRMTAGVTGHQHSILSTLRSIVREEGA
 VRGLYKGLSMNWLKGPPIAVGISFTTFDLMQILLRRLQS

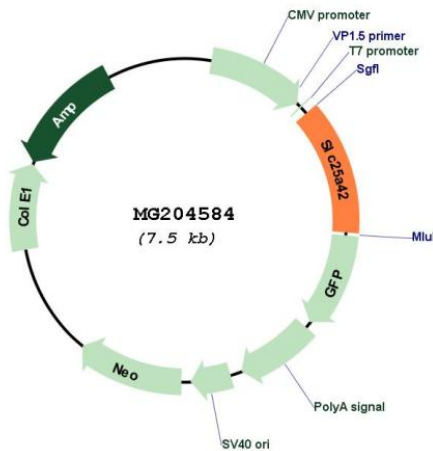
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007570

ORF Size: 954 bp

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|-------------------------------|---|
| 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_001007570.1 , NP_001007571.1 |
| RefSeq Size: | 3105 bp |
| RefSeq ORF: | 957 bp |
| Locus ID: | 73095 |
| UniProt ID: | Q8R0Y8 |
| Cytogenetics: | 8 B3.3 |
| Gene Summary: | Mitochondrial carrier mediating the transport of coenzyme A (CoA) in mitochondria in exchange for intramitochondrial (deoxy)adenine nucleotides and adenosine 3',5'-diphosphate.[UniProtKB/Swiss-Prot Function] |