

Product datasheet for **MG204394**

Slc25a47 (NM_001012310) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a47 (NM_001012310) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc25a47
Synonyms: A1132487; A1876593; HDMCP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204394 representing NM_001012310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTTTGTGCTGGGGCCATTGGAGGAGTCTGCGGTGTTGCTGTGGGCTACCCTCTGGATACAGTGA
 AGGTCAGAATCCAGACGGAGGCCAAATACGCAGGCATCTGGCACTGCATCCGGGACAGTATCGTCAAGA
 GCGGGTGTGGGGCTTCTACAGGGGCTCTCACTGCCCGTGTGCACAGTGTCCCTGGTGTGCTGTATCT
 TTTGGTACCTACCACCACTGCCTGGCTCACATCTGCCGCTTCCGGTACGGCAGCACGGACGCCAAGCCCA
 CCAAGGCTGATATCACACTCTCAGGATGTCCCTCTGGTCTTGCCGGGTGTTCTGACGTCACCCACTGA
 GGTGGCCAAAGTCCGCTGCAGACACAGACCCAAGCTCAGACACAGCAGCGGGCGTCTCGGCCTCTGG
 ACATCTGGGGCTCCCGCTTTGTGTCCCACACCCACTGCTTGCTTGAGGCCAGGCCTAAGTACAGTGGGC
 CACTGCACTGTTTAGTCACAGTGGCTCGAGAGGAGGGGCTTCGGGGACTCTACAAGGGCAGCTCGGCTCT
 GCTCCTTCGTGAGGGTCACTCCTTTGCCACCTACTTTCTCCTATGCTATGCTCTGCGAGTGGCTCACC
 CCTGCTGGCCATAGTCAGCCAGATGTCTTAGGTGTGTTGGTGGCTGGAGGCTGCGCTGGGGTCTGGCCT
 GGGCCGTGGCCACCCCATGGATGTGATCAAGTCACGCCTGCAGGCGGATGGGCAGGGCCAGCATCGCTA
 CCGGGGCTCCTGCACGTGTGGTGACCAAGTGTACGGGAGGAGGGTCCCAGGGTGTCTTCAAGGGACTG
 GCACTCAACTGCTGTCGCTTTTCTGTTAACATGGTGGTCTTTGTGGCGTATGAGGCTGTGCTGAGGC
 TCACGCAGAGCCTGCTCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204394 representing NM_001012310
 Red=Cloning site Green=Tags(s)

MDFVAGAIIGGVCGVAVGYPLDVKVRIQTEAKYAGIWHCIRDYRQERVWGFYRGLSLPVCTVSLVSSVS
 FGTYHHCLAHICRFYRSTDAKPTKADITL SGCASGLVRVFLTSPTEVAKVRLQTQTQAQTQRRSSASW
 TSGAPALCPTPTACLEPRPKYSGLHLCLVTVAREEGLRGLYKSSALLLREGHSFATYFLSYAMLCEWLT
 PAGHSQPDVLLGVLVAGGCAGVLAWAVATPMDVIK SRLQADGGQHRHYRGLLHCVVTSVREEGPRVLFKGL
 ALNCCRAFPVNMVVFVAYEAVLRLLTQSLLT

TRTRPLE - GFP Tag - V

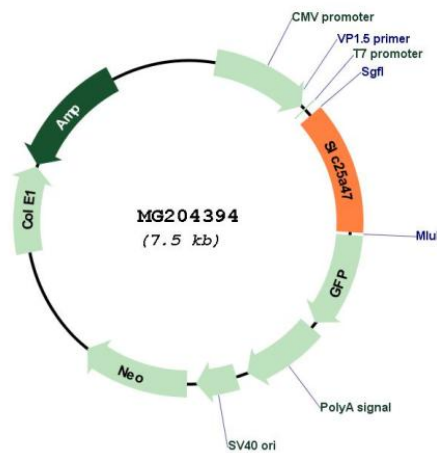
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001012310

ORF Size: 930 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001012310.2](#), [NP_001012310.2](#)

RefSeq Size: 1609 bp

RefSeq ORF: 933 bp

Locus ID: 104910

UniProt ID: [Q6IS41](#)

Cytogenetics: 12 F1

Gene Summary: Uncoupling protein which may catalyze the physiological 'proton leak' in liver. [UniProtKB/Swiss-Prot Function]