

Product datasheet for **MR204394**

Slc25a47 (NM_001012310) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a47 (NM_001012310) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc25a47
Synonyms: A1132487; A1876593; HDMCP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204394 representing NM_001012310
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTTTGTGCTGGGGCCATTGGAGGAGTCTGCGGTGTTGCTGTGGGCTACCCTCTGGATACAGTGA
 AGGTCAGAATCCAGACGGAGGCCAAATACGCAGGCATCTGGCACTGCATCCGGGACAGTATCGTCAAGA
 GCGGGTGTGGGGCTTCTACAGGGGCTCTCACTGCCCGTGTGCACAGTGTCCCTGGTGTGCTGTATCT
 TTTGGTACCTACCACCACTGCCTGGCTCACATCTGCCGTTCCGGTACGGCAGCACGGACGCCAAGCCCA
 CCAAGGCTGATATCACACTCTCAGGATGTCCCTCTGGTCTTGCCGGGTGTTCTGACGTCACCCACTGA
 GGTGGCCAAAGTCCGCTGCAGACACAGACCCAAGCTCAGACACAGCAGCGGGCGGTCTCGGCCTCTGG
 ACATCTGGGGCTCCCGCTTTGTGTCCCACACCCACTGCTTGTGGAGCCAGGCCTAAGTACAGTGGGC
 CACTGCACTGTTTAGTCACAGTGGCTCGAGAGGAGGGGCTTCGGGGACTCTACAAGGGCAGCTCGGCTCT
 GCTCCTTCGTGAGGGTCACTCCTTTGCCACCTACTTTCTCCTATGCTATGCTCTGCGAGTGGCTCACC
 CCTGCTGGCCATAGTCAGCCAGATGTCTTAGGTGTGTTGGTGGCTGGAGGCTGCGCTGGGGTCTGGCCT
 GGGCCGTGGCCACCCCATGGATGTGATCAAGTCACGCCTGCAGGCGGATGGGCAGGGCCAGCATCGCTA
 CCGGGGCTCCTGCACGTGTGGTGACCACTGTACGGGAGGAGGGTCCCAGGGTGTCTTCAAGGGACTG
 GCACTCAACTGCTGTGCTGCTTTTCTGTAAACATGGTGGTCTTTGTGGCGTATGAGGCTGTGCTGAGGC
 TCACGCAGAGCCTGCTCACA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204394 representing NM_001012310
Red=Cloning site Green=Tags(s)

MDFVAGAIIGGVCGVAVGYPLDVKVRIQTEAKYAGIWHCIRDYRQERVWGFYRGLSLPVCTVSLVSSVS
 FGTYHHCLAHICFRFRYGSTDAKPTKADITL SGCASGLVRVFLTSPTEVAKVRLQTQTQAQTQRRSSASW
 TSGAPALCPTPTACLEPRPKYSGLHCLVTVAREEGLRGLYKGSALLLREGHSFATYFLSYAMLCEWLT
 PAGHSQPDVLLGVLVAGGCAGVLAWAVATPMDVIKSRLLQADGGQHRHYRGLLHCVVTSVREEGPRVLFKGL
 ALNCCRAFPVNMVVFVAYEAVLRLTQSLLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001012310

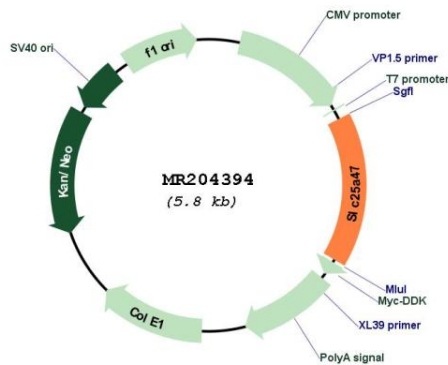
ORF Size: 930 bp

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:	<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:	<u>NM_001012310.2, NP_001012310.2</u>
RefSeq Size:	1609 bp
RefSeq ORF:	933 bp
Locus ID:	104910
UniProt ID:	<u>Q6IS41</u>
Cytogenetics:	12 F1
MW:	34.1 kDa
Gene Summary:	Uncoupling protein which may catalyze the physiological 'proton leak' in liver. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204394