

Product datasheet for RR209984

Slc25a47 (NM_001001509) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a47 (NM_001001509) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc25a47
Synonyms: Hdmcp; Slc24a47
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209984 representing NM_001001509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATTTTGTGCTGGGGCCATTGGAGGAGTCTGCGGTGTTGCTGTGGGCTACCCTCTGGATACAGTGA
 AGGTCAAATCCAGACTGAGGCCAAGTACACAAGCATCTGGCACTGTGTCGGGACACATATCGTCAAGA
 GCGGCTGTGGGATTCTACAGAGGCCTCTCACTGCCTGTGTGCACCGTGTCCCTGGTGCATCTGTATCC
 TTCGGTACCTACCACCACTGCCTGGCCACATTTGCCGCTTCCGGTACGGCAGCACGGACGTC AAGCCCA
 CCAAGGCTGACATCACACTCTCAGGATGCGCCTCTGGCCTTGTCCGGGTGTTCTGACGTCACCCACTGA
 GGTGGCCAAAGTCCGCTGCAGACACAGGCCAACTCTCAGACACAGCAGCGGCGACCCTCGGCCTCTGG
 ACATCTGTGGCTCCCGCTTTGTGTCCAGCACCCACTGCTTGCCTGGAGCCAGGCCTAAGTACAGTGGGC
 CACTACATTGTTTAGTCACAGTGGCCGAGAGGAGGGTCTGCGCGGACTCTACAAGGCAGCTCGGCTCT
 ACTCCTTCGTGAAGGCCACTCCTTTGCCACCTACTTCTCTCCTATGCTGTGCTCTCGGAGTGGCTCACC
 CCTGCTGGCCAGAGTCAGCCAGATGTCCTAGGTGTGCTGGTGGCTGGAGGCTGTGCCGGGTCTGGCCT
 GGGCTGTGGCTACGCCCATGGACGTTATCAAGTCCCGCCTGCAGGCGGATGGGCAGGGCCAGCAGCGCTA
 CCGGGGCTCTGCACTGTGTGGTGACCAGCGTGCAGGAGGGTCCCAGAGTGTCTTCAAGGGACTG
 GCACTCAACTGCTGCCGCGCCTTCTCTGTCAACATGGTGGTCTTCGTGGCTTATGAGGCTGTGCTGAGGC
 TCACTCAGGGCCTGCTCACA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209984 representing NM_001001509
Red=Cloning site Green=Tags(s)

MDFVAGAIIGGVCGVAVGYPLDVTVKVIQTEAKYTSIWHCVRD TYRQERLWGFYRGLSLPVCTVSLVSSVS
 FGTYHHCLAHICRFYRGSTDVKPTKADITL SGCASGLVRVFLTSPTEVAKVRLQTQAQSQTQRRPSASW
 TSVAPALCPAPTACLEPRPKYSGLHCLVTVAREEGLRGLYKGSALLLREGHSFATYFLSYAVLSEWLT
 PAGQSQPDV L GVLVAGGCAGVLAWAVATPMDVIK SRLQADGQGQRYRGLLHCVVT SVREEGPRVLFKGL
 ALNCCRAFPVNMVVFVAYEAVLRLTQGLLT

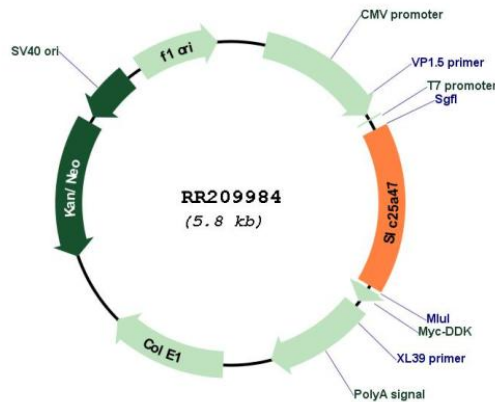
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001001509

ORF Size: 930 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_001001509.1 , NP_001001509.1
RefSeq Size:	1550 bp
RefSeq ORF:	933 bp
Locus ID:	299316
UniProt ID:	Q6J329
Cytogenetics:	6q32
MW:	33.6 kDa
Gene Summary:	Uncoupling protein which may catalyze the physiological 'proton leak' in liver. [UniProtKB/Swiss-Prot Function]