

Product datasheet for **RR212935**

Slc25a1 (NM_017307) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc25a1 (NM_017307) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc25a1
Synonyms: Cic; Ctp; Slc20a3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212935 representing NM_017307
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGCCTCGCGCACCCCGCGCTCTGACGGCTGCCGCTCCCGGGTCCGGAAAGCCAACTGACGC
 ACCCCGGGAAGGCGATCCTAGCAGGCGGCTGGCTGGAGGCATCGAAATCTGCATCACCTTCCCAGCCGA
 ATACGTGAAGACTCAACTACAGCTAGATGAACGCGCAACCCACCGCGGTACCGGGCATTGGGGACTGC
 GTGCGGCAAACCTGCCGAGCCATGGCGTCTGGGCTGTACCGCGGCTCAGCTCCTTGCTCTACGGCT
 CCATCCCCAAGGCGGCTGTCAGGTTTGGGATGTTTCGAGTTCCTCAGCAACCACATGCGGGATGCCAAGG
 TAGACTGGACAGCAGGAGAGGACTGCTGTGCGGTCTGGGTGCCGGCTGGCAGAGGCAGTGGTAGTCGTG
 TGCCCCATGGAGACCGTGAAGGTGAAATTCATCCATGACCAGACTTCTCCAATCCAAAGTACCGAGGAT
 TTTTCCATGGGGTTAGAGAGATTGTTCCGGAACAAGGGCTAAAGGGGACATACCAAGGCCTCACAGCTAC
 TGTACTGAAGCAGGGCTCAAACCAAGCCATCCGATTCTTCGTATGACCTCCCTACGCAACTGGTACCAA
 GGAGACAACCCCAACAAGCCTATGAACCACTGATCACCGGGTCTTTGGAGCTGTCGAGGTGCAGCCA
 GTGTCTTTGGGAACACACCCTTGGATGTGATCAAGACCAGGATGCAGGGCCTGGAGGCACACAAATACCG
 GAACACCCTGGACTGTGGAGTGCAGATCCTGAAGAATGAGGGGCCAAGGCATTCTACAAGGGCACCGTT
 CCCCAGGCTGGCCGAGTCTGCCTGGACGTGCCATCGTATTTCGTATCTATGATGAAGTGGTGAAGCTGC
 TCAATAAAGTGTGGAAGACGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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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_017307.3 , NP_059003.1
RefSeq Size:	1669 bp
RefSeq ORF:	936 bp
Locus ID:	29743
UniProt ID:	P32089
Cytogenetics:	11q23
MW:	33.8 kDa
Gene Summary:	This gene encodes a member of the mitochondrial carrier family. The encoded protein is responsible for the movement of tricarboxylates, such as citrate, across the inner mitochondrial membrane. It is essential to the bioenergetics of hepatic cells, supplying the cytoplasm with a carbon source for fatty acid and sterol biosynthesis, and NAD ⁺ for the glycolytic pathway. [provided by RefSeq, Jul 2008]