

Product datasheet for **RR203149**

Slc25a39 (NM_001024792) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a39 (NM_001024792) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc25a39
Synonyms:	RGD1306193
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203149 representing NM_001024792 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGATCAGGATCCTGGGGCATTAGCCCCCTTCAGCAGATGGTGGCCTCAGGAGCTGGGGCTGTGG
TCACCTCCCTCTTCATGACACCCCTGGATGTGGTGAAGGTCCGCCTTCAGTCTCAGAGACCCACGGTAGC
CAGCGAATTGACAACCTCCAGATTCTGGAGTCTTTCTACACCAAATCACCTCCACTCTACAGTCC
CCAGGGAAGTGCCTCCTGTACTGCAATGGTGTCCCTGGAGCCCCTGTACCTGTGCCAAATGGTACTCGCT
GGCCACCTGGTTTCAGGATCCTACACGGTTCACTGGCACCTGGATGCCTTTGTGAAGATTGTGAGGCA
TGAGGGCACCAGGACCCTGTGGAGCGGCCTCCAGCCACCTGGTGTACTGTACCAGCCACTGCCATC
TACTTCACTGCTTATGACCAACTCAAGGCCTTCCTATGTGGTCAGTCCTTGACCTCTGACCTCTACGCAC
CAATGGTGGCTGGTGCCTCGCCGAATGGGCACTGTGACAGTGGTCAAGCCCTGGAGCTTGTGCGGAC
CAAGCTGCAGGCACAGCATGTGTACACCGGAAGTGGTGCCTGTGTTCAAGCTGCAGTGGCTCAGGGT
GGCTGGCGCTCACTGTGGCTGGGCTGGGTCCCACAGCTCTTCGAGATGTACCCTTCTCAGCTCTATACT
GGTTCAACTATGAGCTGGTGAAGAGCCAGCTGAATGGGCAAGACAGAAAGAGCAGACATCTGTTGGCAT
CAGCTTTGTGGCTGGTGGCATCTCAGGAATGGTGGCTGCCACCCTTACCCTACCCTTCGATGTCTGTAAG
ACACAGCGACAAATGTCAGTGGGAGCAGTGGAGGCTATGAGAGTGAAGCCGCAAGAGTTGACTCCACCT
GGCTCCTGCTTCGGAGAATCCAGGCTGAATCTGGCACCAGGGGACTCTTTGCAGGTTTCTCCCCAGGAT
CATCAAGGCTGCGCCCTCCTGCGCCATCATGATCAGCACTTACGAGTTTGGCAAAGCTTCTCCACAGG
CTCAACCAGGAGCAGCCTCTGGGCCAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203149 representing NM_001024792
 Red=Cloning site Green=Tags(s)

MDDQDPGGISPLQQMVASGAGAVVTSLFMTPLDVVKVRLQSQRPTVASELTPSRFWSLSYTKSPSTLQS
 PGKCLLYCNGVLEPLYLCPNGTRCATWFQDPTRFTGTLDAFVKIVRHEGTRTLWSGLPATLVMTVPATAI
 YFTAYDQLKAFLCGQSLTSDLYAPMVAGALARMGTVTVVSPELELVRTKLQAQHVSYRELAACVQAAVAQG
 GWRSLWLGWGPALRDVPPFSALYWFNYELVKSQNLNGPRQKEQTSVGISFVAGGISGMVAATLTLFPDVVK
 TQRQMSLGAVEAMRVKPPRV DSTWLLLRRIQAESGTRGLFAGFLPRIIKAAPSCAIMISTYEFGKSFHRLN
 LNQEQPLGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

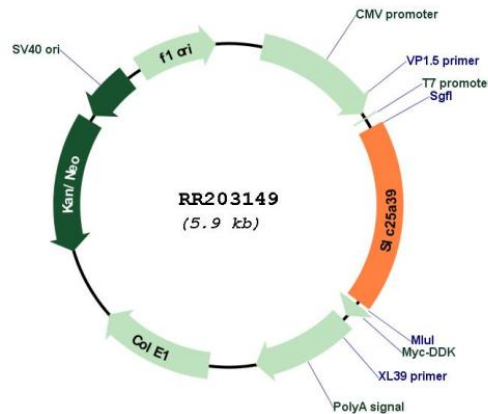
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001024792

ORF Size:	1077 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_001024792.1 , NP_001019963.1
RefSeq Size:	1473 bp
RefSeq ORF:	1080 bp
Locus ID:	360636
UniProt ID:	Q4V8K4
Cytogenetics:	10q32.1
MW:	39.2 kDa
Gene Summary:	Required for normal heme biosynthesis.[UniProtKB/Swiss-Prot Function]