

Product datasheet for **RN208813**

Slc25a29 (NM_001010958) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a29 (NM_001010958) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208813 representing NM_001010958 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGCTCGACTTCCTGGCTGGATGCGCCGGAGGTGTGGCAGGTGTGATTGTGGGACACCCTTTTGACA
CAGTCAAGGTGCGGCTTCAAGTACAGAACAGAGAAGCCTCAGTACCGAGGGACGCTGCACTGCTTCCA
GTCTATCATCAAGCAAGAAAGTGTGCTGGGTCTCTATAAAGCCTGGGCTCGCCACTAATGGGACTCACC
TTCATCAATGCACTGGTGTGTTGGGTGCAGGGTAACACCCTCCGGGCCCTGGGCCAAGACTCACCCTCA
ATCAGTTCCTGGCGGGTGCAGCAGCAGGCGCCATTCAAGTGTGTCATCTGTTGCCCCATGGAAGTGGCCAA
GACGAGGCTGCAGCTGCAGGCGGCAGGCCCTGCCGTGCCTACAAGGGCTCCCTGGATTGCCTGGTACAG
ATTTACCGGCATGAGGGCTGCGCGGCATCAACCGGGCATGGTGTCCACACTCCTGCGGGAGACGCCCA
GCTTCGGGGTCTACTTCCTCACTTACGATGTACTGACCCGTGCCATGGGCTGCGAGCCAGGCGACCGCCT
GCTGGTGCCCAAGCTGCTGCTGGCGGGCGGCACATCGGGCATCACCTCCTGGCTCTCCACCTATCCCATG
GACGTGGTTAAGTCGCGCCTGCAAGCCGACGGGTGCAGGAACCCCTCGCTACCGCGGCATCGTCGACT
GCATGCGGCAGAGTTACCAGGCCGAGGGCTGGCAAGTCTTACAAGAGGGCTGGCCTCCACACTGCTACG
TGCCTTCCCGGTCAACGCCGCCACCTTCGCCACGGTCACTGTGGTGCTTACGTATATCCGGGGTGAAGAG
GATCAGGTAGACAGCGAGGCAGCTCCGGGCGCCTCTACCACTCCTGCCGGGCCAGCCCTGGCCAGCCAT
CCAGTCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001010958
Insert Size:	921 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001010958.1</u> , <u>NP_001010958.1</u>
RefSeq Size:	1930 bp
RefSeq ORF:	921 bp
Locus ID:	314441
UniProt ID:	<u>Q5HZE0</u>
Cytogenetics:	6q32
Gene Summary:	Transports arginine, lysine, homoarginine, methylarginine and, to a much lesser extent, ornithine and histidine. Can restore ornithine transport in cells lacking the primary mitochondrial ornithine transporter SLC25A15. Does not transport carnitine nor acylcarnitines. Functions by both counter-exchange and uniport mechanisms. [UniProtKB/Swiss-Prot Function]