

Product datasheet for **MC200528**

Slc25a29 (NM_181328) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a29 (NM_181328) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc25a29
Synonyms:	C030003J19Rik; CACL; mCACL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006711 sequence for NM_181328
 CGACGGCCAACCGCGGGCCGGGCCGAGGAGTAGTAAGACACAGCCGGCTCGCCGGGCCGGGCCATGGCG
 CTCGACTTCTGGCTGGATGCGCCGGAGGTGTGGCAGGTGTGATCGTGGGACACCCTTTTGACACAGTCA
 AGGTGCGGCTGCAAGTTCAGAGCACAGAGAAGCCTCAGTACCGAGGGACGCTGCACTGCTCCAGTCCAT
 CATCAAGCAGGAGAGTGTGCTGGCCTGTATAAAGGCCTGGGCTCGCCACTAATGGGACTCACCTTCATC
 AATGCACTGGTGTGGGGTGAAGGTAACACCCTCCGGGCCCTGGCCAAGACTCACCCTCAATCAGT
 TCCTGGCCGGTGCAGCAGCAGGCCATTTCAGTGTGTCATCTGCTGCCCATGGAATGGCCAAGACGAG
 GCTGCAGCTCCAGGCCGTGGTCTGCCGTACCTACAAGGGCTCCCTGGACTGCCTGGTGCAGATTTAC
 CGGCACAGAGGGCCTGCGCGGCATCAACCGAGGCATGGTGTCCACACTTCTGCGGGAGACGCCAAGCTTTG
 GCGTCTACTTCTCACCTATGATGTAATGACCCGCGCCATGGGCTGCGAGCCAGGTGACCGCCTGTGGT
 GCCTAAGTGTGCTGCGCGGGTGGCAGCTCGGGGATCACATCCTGGCTCTCCACTATCCCATGGACGTG
 GTTAAGTCAGACTGCAAGCCGACGGGCTGCAAGGAACCCTCGTACCGCGGCATCGTGCAGTGCATGC
 GGCAGAGTACCAGGCCGAGGGCTGGCAAGTCTTACGCGAGGGCTGGCCTCCACGTTGCTCCGTGCCTT
 CCCGGTCAATGCTGCCACCTTTGCCACAGTCACTGTGGTGTACATATACCCGGGGCAGGAGGCTCAG
 GTAGACAGTGAGGCAGCTCTGGGCACCTCTCCACTCCTGCTGGTCTGCCCTGGCCAGCCTTCCAGTC
 TGTGATGCTTGCCAGTGCACCTTTGGTGAACCTTGACAACAGAGGGTATGGCTCCTCAGCCAGTCTCC
 TCATTGGCCTGTGATGACAGCTGTCTGTACCCTACTGGCCCCCTATTTCTTAGCCGTAATAATGGGGACTC
 TCCTCAGACATGGTACATTCAGGAAGGTCAAGCCTCGCTAAGTCTGCCCTATGCAGACAGAAGTCCAG
 TCAGAATCTTCAAGCCAGCACTCCCCGGGTATCCCCGAGCAACTTTACAGGCTGGCCAAGGAAG
 GACCCAGCCGTTCTTCAAATCCTCCATCAACTGAGTCCCGGAAAATCTCGGTCAATTGTTACAGTGAAGG
 ACAGTGGGTGGCATGCAACGCTCCCTCTCCGTGTGCAGAGTACCCTGCCTCCGTGCCTACCTAGCTTC
 TCCGCTGCTGCCCTTGGAGTGTGGAGCAGGGCTGGGACCCTGGCACTAAGTCCGTTGAGGATCACGCCAG
 TGTAGGGTCTGGGTGGGAGCAGACAGGCCACCGCCTCAATGTCTCCACAGGGAATTGTAGCAGCTG
 TCGCAAGACAGAGTCTTCTCAGCTCTGAGCCTCGGGCTACCTGTCTGTAAGATGGGCACCTGGCTCAGT
 GATGTCTGACTCGCTTACTGCCAGCAGGATTCACACTGGTAGGTAGGCAGAGGGCCAGAGAACGCAGG
 AAATGTGGTCTTTCTGGCACTGTCAAGTGTGCCCCGTGAAAGCAGAGGTCTTGGCACCAGCACAGAG
 TTGTTGCCAGTTGGACCTGCCTGGCGGGGAAACTGAGCTCTGGCTGGCTCTACTGCTCTAAAGGA
 ATAAAGTCTGTTTTCTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_181328

Insert Size: 921 bp

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: [BC006711](#), [AAH06711](#)

RefSeq Size: 1852 bp

RefSeq ORF: 921 bp

Locus ID: 214663

UniProt ID: [Q8BL03](#)

Cytogenetics: 12 F1

Gene Summary: Transports arginine, lysine, homoarginine, methylarginine and, to a much lesser extent, ornithine and histidine. Does not transport carnitine nor acylcarnitines. Functions by both counter-exchange and uniport mechanisms (By similarity). Can restore ornithine transport in cells lacking the primary mitochondrial ornithine transporter SLC25A15 (PubMed:19287344). [UniProtKB/Swiss-Prot Function]