

Product datasheet for **MC216871**

Slc19a3 (NM_030556) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc19a3 (NM_030556) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc19a3
Synonyms:	A230084E24Rik; AI788884; ThTr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216871 representing NM_030556
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCCAGCTGCAGAACTCCACCGAGCAACTCTTGGGTTTATCCCACTGTGATACTCTGCTTGTGTTG
 GGTTTTCTCCATGTTTCAGGCCTTCAGAGGCATTCTTAATCCCATTCTGTGAGAACCCAGCAAGAATCT
 CACCAGCCAGAGATGACAAATGAGATCCTTCTGTTGGACATATTCTTACCTGGCAACGCTGCCACCC
 GTGTTTGTCTCACCGACTACCTGCGCTACAAACAGTCATCATGCTACACGTTGTGGCCTTCGCCACTA
 GCTACCTGTTTCTTGTGTTGGCCAAGGTGTGATGCTCATGCAAACAGCTGAGTTCTTTTTGGGGTTGT
 CTCGGCCACAGAGATAGCCTACTTTGCCTACATATACAGCATGGTCAGCCGAGAACTATCAGAAAGTG
 AGCAGCTACTGTCGGAGTACACTGGTGGCCTACACAGCAGGCTCAGTGTAGCCAGCTCCTGGTAT
 CCCTGACGAACCTGCCATACTCTAGCCTTTTTATATATCCTTGGCCTGTGTCTGTGGCTTTCTTTTT
 CTCACTTTTTCTACCAATGCCTAAGAAGAGCATGTTTTTCCATGCAAAGTCCGATAGAGACGATTGTCCA
 AAGCCACTGGAACAATGTACTGTGCCAAAGGAAGCCAGAGCAACAGAATCACTCAGAATTGTTTGCCA
 ATTCAAAGAATCTAGAGGACAGAGAGATGAGCAACCCAGATCCAGAAAATTCAGCTTTGAGACACTTTGC
 GCATTGTTCCAGGATCTGAAGGAGTGCTACTCCTCAAAGCACCTTGTTACTGGTCCCTCTGGTGGGCT
 TTTGCCACAGCAGGTTATAACCAAATCTTGAACATGTTCAAGTCCATGGGAACACAAGGCACCCCTCC
 AAGATTCTCCATCTATAATGGAGCAGTAGAGGCCATAGCAACATTTGGAGGAGCTTTGGCTTATTCTC
 AGTGGGCTATCTGAAGGTCAACTGGGATCTTCTCGGAGAGCTGGGTCTGGCTGTCTTCTCAGCTGTATC
 GCAGGATCTCTGTTTCTCATGAATTACTCACGCAGCATCTGGGTGTGCTATGCTGGGTATCTACTGGTCA
 AGTCGAGCTATTGTTTCTTATAACCATCGCAGTCTTTCAGATTGCAGTTAACCTGAGCTTAGAACGTTA
 TGCCTGGTGTTCGGCATAGACACCTTTATCGCCTTGGTGATTGAGCCATCATGACTATGATTGTGGTA
 GATCAAAGAGGGCTCCAAGTCCAGTCACTACTCAGTTTTTAGTTTATGGGAGTTACTTCGCTGTATTG
 CGGGGCTTCTCTAATGAGAAGCATATACATTCTGCTCAGCTAAGTGCCGAAAGGAGTACAGAACCT
 TGCTACCACCCGGAGCCCTAATGAGCCACCCACAAGAGCCAAGCAATGTGTCAACAAAGTTCTAA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_030556
- Insert Size:** 1467 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:	<u>NM_030556.2, NP_085033.2</u>
RefSeq Size:	2974 bp
RefSeq ORF:	1467 bp
Locus ID:	80721
UniProt ID:	<u>Q99PL8</u>
Cytogenetics:	1 42.65 cM
Gene Summary:	Mediates high affinity thiamine uptake, probably via a proton anti-port mechanism. Has no folate transport activity (By similarity).[UniProtKB/Swiss-Prot Function]