

Product datasheet for **MC217000**

Slc37a2 (NM_020258) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc37a2 (NM_020258) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc37a2
Synonyms:	cl-2; ci2; G3PP; Slc37a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217000 representing NM_020258
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCGGTCTCCCTGGCTCCTGGTGTCTGGTTCCTTCGCGCCTTCTCTAGGGACAGCTGGTTCCGTGGCT
 TCATCCTGCTGCTCACCTTCCTCATTTATGCCTGTTATCACATGTCCAGAAAGCCCATCAGCATCGTCAA
 GAGCCGCTGCACCAGAACTGCTCAGAGATGGTCAGACCTGTTAATGACACCCACGATCTCAATGATACC
 ACCTGGTGCACTGGAGTCCATTCGACAAAGATGACTACAAGGAGTTACTAGGAGCTGTGGACAATGCCT
 TCCTAGTGGCTTATGCCATTGGCATGTTTATTAGTGGAATCTTTGGGAGCGGCTGCCCTGCGTTACTA
 CCTCTCGGCTGGAATGGTGCTAAGTGGCCTATTCACCTCCCTCTTTGGCCTGGGTACTTCTGGAATATC
 CACATGCTCTGGTACTTTGTGCTCATCCAGATCTGCAACGGGCTTGTGCAGACTACAGGCTGGCCATCTG
 TGGTGACCTGTGTGGCAACTGGTTTGGGAAGGAAAGCGGGATTATCATGGGCATCTGGAACCTCTCA
 CACATCTGTGGGCAACATTCTGGGCTCTCTGATTGCTGGAGTCTGGGTGAACCAGCACTGGGGCCTGTCA
 TTCATCGTGCCTGGCATTATCACTGCTATCATGGGTGTATCACCTTCCTCTTTCTATTGAATATCCAG
 AAGATGTGGACTGTACCCTCCTCGGCATCATGATGACCCGGAGAAGGAACAGGACAACCTGAGGATCC
 TGTGAATAGTCCCTACAGCAGCAGGGAGAGTAATGTGGACATTGCAGCCAGCTCCTCAAGGAGCAGGGC
 CCTGAGCCTGAAGCCATCAGTTTCTGGGGCACTCAGAATCCGGGAGTGATCGAGTTCTTTATGTC
 TGCTCTTTGCCAAGTTGGTCAGCTATACCTTTCTACTGGCTGCCCTTGATCTTCAATGTGGCTCA
 CTTTAGTGCCAAGGAGGCTGGGGACCTATCCACGCTTTTGTATGTTGGTGGCATCATAGGTGGCATCATG
 GCAGGGCTCATCAGCGACTACCAATAGCAGGGCCACCACTTGCTGCATCATGCTGATCTTGGCTGCTC
 CCATGATGTTCTGTACAACACATTGGCCAGAATGGGATAACCAAGTTCATAGTGATGTTAATTATCTG
 TGGGGTCTGGTCAATGGCCCTTACGCACTCATCACGACAGCGGTCTCTGCTGACCTGGGCACACATGAG
 AGCCTGAAGGTAACGCCAAGGCCCTCTCCACTGTACGCGCCATTATCGACGGCACTGGTTCCATAGGTG
 CGGCTCTGGGGCCCTACTGGCCGGGCTCATTTCCCGACAGGCTGGAACAATGTGTTCTACATGCTCAT
 CTCTGCCGACGTCTTGGCTTGCTTCTCTGCAAGTTGGTGTACAAAGAGATCCTGGCCTGGAAGACG
 GCCTGCGGCAGAGCAGTGGGTACAAACAAATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_020258

Insert Size: 1506 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_020258.4</u> , <u>NP_064654.3</u>
RefSeq Size:	4383 bp
RefSeq ORF:	1506 bp
Locus ID:	56857
UniProt ID:	<u>Q9WU81</u>
Cytogenetics:	9 A4
Gene Summary:	Inorganic phosphate and glucose-6-phosphate antiporter. May transport cytoplasmic glucose-6-phosphate into the lumen of the endoplasmic reticulum and translocate inorganic phosphate into the opposite direction. Independent of a luminal glucose-6-phosphatase. May not play a role in homeostatic regulation of blood glucose levels.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an exon in the 3' coding region which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.