

Product datasheet for **MR216089**

Slc37a2 (NM_001145960) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Slc37a2 (NM_001145960) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| 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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ORF Nucleotide Sequence:

>MR216089 representing NM_001145960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGTCTCCCTGGCTCCTGGTGTCTGGTTCCTTCGCGCCTTCTCTAGGGACAGCTGGTTCGGTGGCT
 TCATCCTGCTGCTCACCTTCTCATTTATGCCTGTTATCACATGTCCAGAAAGCCCATCAGCATCGTCAA
 GAGCCGCCTGCACCAGAAGTCTCAGAGATGGTCAGACCTGTTAATGACACCCACGATCTCAATGATACC
 ACCTGGTGCAGCTGGAGTCCATTCGACAAAGATGACTACAAGGAGTTACTAGGAGCTGTGGACAATGCCT
 TCCTAGTGGCTTATGCCATTGGCATGTTTATTAGTGGAACTTTGGGGAGCGGCTGCCCTCGTACTA
 CCTCTCGGCTGGAATGGTCTAAGTGGCTATTCACCTCCCTCTTGGCCTGGGGTACTTCTGGAATATC
 CACATGCTCTGGTACTTTGTGCTCATCCAGATCTGCAACGGGCTTGTGCAGACTACAGGCTGGCCATCTG
 TGGTGACCTGTGTGGCAACTGGTTTGGGAAGGAAAGCGGGGATTCATCATGGGCATCTGGAACCTCA
 CACATCTGTGGCAACATTCTGGGCTCTCTGATTGCTGGAGTCTGGGTGAACCAGCACTGGGCTGTCA
 TTCATCGTGCCTGGCATTACACTGCTATCATGGGTGTCATCACCTTCTCTTTCTTATTGAATATCCAG
 AAGATGTGGACTGTACCCCTCCTCGGCATCATGATGACCCGAGAAGGAACAGGACAACCCCTGAGGATCC
 TGTGAATAGTCCCTACAGCAGCAGGGAGAGTAATGTGGACATTGCAGCCAGCTCCTCAAGGAGCAGGGC
 CCTGAGCCTGAAGCCATCAGTTTCTGGGGCACTCAGAATTCGGGAGTGATCGAGTTCTTTTATGTC
 TGCTCTTTGCCAAGTTGGTCAGCTATACCTTCTCTACTGGTGCCTTGTACATCTTCAATGTGGCTCA
 CTTTAGTGCCAAGGAGGCTGGGGACCTATCCACGCTTTTGTATGTTGGTGGCATCATAGTGGCATCATG
 GCAGGGCTCATCAGCGACTACACCAATAGCAGGGCCACCACTTGCTGCATCATGCTGATCTTGGCTGCTC
 CCATGATGTTCTGTACAACATACATTGGCCAGAATGGGATAACCCAGTTCATAGTATGTTAATTATCTG
 TGGGGTCTGGTCAATGGCCCTTACGCACTCATCACGACAGCGGTCTCTGCTGACCTGGGCACACATGAG
 AGCCTGAAGGGAACGCCAAGGCCCTCTCCACTGTCACGGCCATTATCGACGGCACTGGTCCATAGGTG
 CGGCTCTGGGGCCCTACTGGCCGGGCTCATTTCCCGACAGGCTGGAACAATGTGTTCTACATGCTCAT
 CTCTGCCGACGCTTGGCTTGTCTCTCTGCAGGTTGGTGTACAAAGAGATCCTGGCCTGGAAGACG
 GCCTGCGGCAGAAGCAGTGGCTTAGTCTGGCCCTAACCCACCCGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216089 representing NM_001145960
 Red=Cloning site Green=Tags(s)

MRSSLAPGVWFLRAFSRDSWFRGFILLTFLIYACYHMSRKPISIVKSRLHQNCSEMRPVPNDTHLNDT
 TWCSWSPFDKDDYKELLGAVDNAFLVAYAIMFISGIFGERLPLRYYLSAGMVL SGLFTSLFGLGYFWNI
 HMLWYFVLIQICNGLVQTTGWPSVVTVCGNWFGKGRGFIMGIWNSHTSVGNILGSLIAGVWVNQHWGLS
 FIVPGIITAIMGVITFLFLIEYPEDVDCTPPRHDDPEKEQDNPEDPVNSPYSSRESNVDIAASSSKEQG
 PEPEAISFLGALRIPGVIEFSLCLLFAKLVSYTFYWLPLYIFNVAHFSAKEAGDLSTLFDVGGIIGGIM
 AGLISDYNSRATTCCIMLILAAPMMFLYNYIGQNGITSSIVMLIICGVLVNGPYALITTAVSADLGTHE
 SLKGNALSTVTAIIDGTGSIGAALGPLLAGLISPTGWNNVYMLISADVLACLLLCRLVYKEILAWKT
 AGRSSGSSLALTHPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

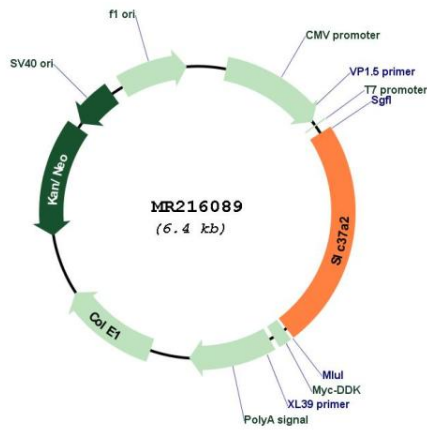
Restriction Sites:

Sgfl-Mlul

RefSeq Size: 4440 bp
 RefSeq ORF: 1521 bp
 Locus ID: 56857
 UniProt ID: [Q9WU81](#)
 Cytogenetics: 9 A4
 MW: 56 kDa

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]

Product images:



Circular map for MR216089