

Product datasheet for **RG227127**

SLC37A2 (NM_001145290) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC37A2 (NM_001145290) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC37A2
Synonyms:	pp11662
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG227127 representing NM_001145290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGTCTCCCTGGCTCCGGGAGTCTGGTTCTCCGGGCTTCTCCAGGGACAGCTGGTTCAGAGGCC
 TCATCCTGCTGCTGACCTTCTAATTTACGCCTGCTATCACATGTCCAGGAAGCCTATCAGTATCGTCAA
 GAGCCGCTGCACCAGAAGTCTCGGAGCAGATCAAACCCATCAATGATACTCACAGTCTCAATGACACC
 ATGTGGTGCAGCTGGGCCCATTTGACAAGGACAATAAAGGAGTTACTAGGGGGCGTGGACAACGCCCT
 TCCTCATCGCCTATGCCATCGGCATGTTTATCAGTGGGGTTTTGGGGAGCGGCTCCGCTCCGTTACTA
 CCTCTCAGCTGGAATGCTGCTCAGTGGCCTTTTACCTCGCTCTTTGGCCTGGGATTTTCTGGAACATC
 CACGAGCTCTGGTACTTTGTGGTATCCAGGTCTGTAATGGACTCGTCCAGACCACAGGCTGGCCCTCTG
 TGGTGACCTGTGTGGCAACTGGTTCGGGAAGGGGAAGCGGGGTTTTCATCATGGGCATCTGGAATCCCA
 CACATCTGTGGGCAACATCCTGGGCTCCCTGATCGCCGGCATCTGGGTGAACGGGCAGTGGGGCCTGTCG
 TTCATCGTGCCTGGCATCACTACTGCCGTCATGGGCGTCATCACCTTCTCTTCCATCGAACACCCAG
 AAGATGTGGACTGCGCCCTCCTCAGCACCACGGTGAGCCAGCTGAGAACCAGGACAACCCCTGAGGACCC
 TGGGAACAGTCCCTGCTATCAGGGAGAGCGGCTTGAGACTGTGGCCAAATGCTCCAAGGGGCCATGC
 GAAGAGCCTGCTGCCATCAGCTTCTTTGGGGCGCTCCGGATCCCAGGCGTGGTCGAGTTCTCTGTGTC
 TGCTGTTTGCCAAGCTGGTCACTACACCTTCTCTACTGGTGGCCCTTACATCGCCAATGTGGCTCA
 CTTTAGTGCCAAGGAGGCTGGGGACCTGTCTACACTCTTCGATGTTGGTGGCATCATAGGCGGCATCGTG
 GCAGGGCTCGTCTCTGACTACACCAATGGCAGGGCCACCACTTGCTGTGTCATGCTCATCTTGGCTGCC
 CCATGATGTTCCGTACAACATACATTGGCCAGGACGGGATTGCCAGCTCCATAGTATGATGCTGATCTG
 TGGGGCCTGGTCAATGGCCCATACGCGCTCATCACCACTGCTGTCTGCTGATCTGGGGACTACAAG
 AGCCTGAAGGGCAACGCCAAAGCCCTGTCCACGGTCACGGCCATCATTGACGGCACCGGCTCCATAGGTG
 CGGCTCTGGGGCCTCTGCTGGCTGGGCTCATCTCCCCACGGGCTGGAACAATGTCTTCTACATGCTCAT
 CTCTGCCGACGCTCTAGCCTGCTTCTCTTGGCGTTAGTATACAAAGAGATCTTGGCCTGGAAGGTG
 TCCCTGAGCAGAGGCAGCGGTTAAAGAAATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG227127 representing NM_001145290
 Red=Cloning site Green=Tags(s)

MRSSLAPGVWFFRAFSRDSWFRGLILLTFLIYACYHMSRKPISIVKSRLHQNCSEQIKPINDTHSLNND
 MWCSWAPFDKDNKELLGGVDNAFLIAYAIGMFIGVFGERLPLRYLLSAGMLLSGLFTSLFGLGYFWNI
 HELWYFVVIQVCNGLVQTTGWPSVVTGCVGNWFGKGRGFMGIWNSHTSVGNILGSLIAGIWNQWGLS
 FIVPGIITAVMGVITFLFLIEHPEDVDCAPPQHHGEPANQDNPEDPGNSPCSIRESGLETVAKCSKGPC
 EEPAAISFFGALRIPGVVEFSLCLLFAKLVSYTFLYWLPYIANVAHFSAKEAGDLSTLFDVGGIIGGIV
 AGLVSDYTNGRATTCCVMLILAAPMMFLYNYIGQDGIASSIVMLIICGGLVNGPYALITTAVSADLGTK
 SLKGNALSTVTAIIDGTGSIGAALGPLLAGLISPTGWNNVYMLISADVLACLLLCRLVYKEILAWKV
 SLSRGSGYKEI

TRTRPLE – GFP Tag – V

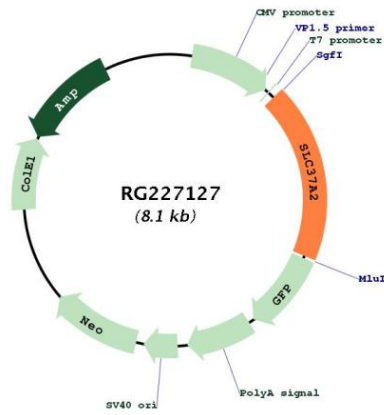
Restriction Sites:

Sgfl-MluI

Protein Families: Transmembrane

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 RG227127