

Product datasheet for **SC125923**

SLC37A2 (NM_198277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC37A2 (NM_198277) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC37A2
Synonyms:	pp11662
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_198277 edited
GTCGACTCAGCCTTAGGTACCGGTCAGGCAAAATGCGGTCCTCCCTGGCTCCGGGAGTCT
GGTTCTCCGGGCTTCTCCAGGGACAGCTGGTCCGAGGCCATCCTGCTGCTGACCT
TCCTAATTTACGCTGTATCACATGTCCAGGAAGCCTATCAGTATCGTCAAGAGCCGTC
TGCACCAGAACTGCTCGGAGCAGATCAAACCCATCAATGATACTCACAGTCTCAATGACA
CCATGTGGTGCAGCTGGGCCCATTTGACAAGGACAATAAAGGAGTTACTAGGGGGCG
TGGACAACGCCCTTCTCATCGCCTATGCCATCGGCATGTTTCATCAGTGGGGTTTTGGGG
AGCGGCTTCCGCTCCGTTACTACCTCTCAGCTGGAATGCTGCTCAGTGGCCTTTTACCT
CGCTCTTTGGCCTGGGATATTTCTGGAACATCCACGAGCTCTGGTACTTTGTGGTCATCC
AGGTCTGTAATGGACTCGTCCAGACCACAGGCTGGCCCTCTGTGGTGACCTGTGTTGGCA
ACTGGTTCGGGAAGGGGAAGCGGGGTTTCATCATGGGCATCTGGAATTTCCACACATCTG
TGGGCAACATCCTGGGCTCCCTGATCGCCGGCATCTGGTGAACGGGCAGTGGGGCCTGT
CGTTCATCGTGCCTGGCATCATTACTGCCGTATGGGCGTCATCACCTTCTCTTCTCA
TCGAACACCCAGAAGATGTGGACTGCGCCCTCCTCAGCACCGGTGAGCCAGCTGAGA
ACCAGGACAACCTGAGGACCCTGGGAACAGTCCCTGCTCTATCAGGGAGAGCGGCCTTG
AGACTGTGGCCAAATGCTCCAAGGGGCCATGCGAAGAGCCTGCTGCCATCAGCTTCTTG
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TCAGTTACACCTTCTACTGGCTGCCCTCTACATCGCCAATGTGGCTCACTTTAGTG
CCAAGGAGGCTGGGGACCTGTCTACACTCTTCGATGTTGGTGGCATCATAGGCGGCATCG
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TCTTGGCTGCCCCATGATGTTCTGTACAACACTACATTGGCCAGGACGGGATTGCCAGCT
CCATAGTGATGCTGATCATCTGTGGGGGCTGGTCAATGGCCATACGCGCTCATACCA
CTGCTGTCTCTGCTGACCTGGGACTCACAAGAGCCTGAAGGGCAACGCCAAAGCCCTGT
CCACGGTCACGGCCATCATTGACGGCACCGGCTCCATAGGTGCGGCTCTGGGGCCTCTGC
TGGCTGGGCTCATCTCCCCACGGGCTGGAACAATGTCTTCTACATGCTCATCTCTGCCG
ACGTCCTAGCCTGCTTGCTCCTTTGCCGTTAGTATACAAAGAGATCTTGGCCTGGAAGG
TGTCCCTGAGCAGAGGCAGCGGCTCTAGTATGGTCTAACCCACCAGTGATAGTATTTTC
CTCAAGTCCCATGACTTTTGTATAAAGAAATATGAGGCCCAATTGGAACAGCAGCATGG
AGGGTCCCAGTTGGTCCCCAACGTGCTCCCCATGGGCAAGACAATGGAACTTCCACAA
GCAGGGGAGGCAAACCTCTTTATTGAACATTAGCCAGCCAGCCAGACCCAGGGCTG
CCTAAGGACACAGAGATTCTCCATGGGAAGGGGACTGCCAAGCATGAGGAAATAGAAGAT
TCAGGGGCTGAGCTCTGGAAGCTGCAAGCAAAAGGGATGGGACTAGGGCTGAGTTGTGT
CTCCATTTTGATAAGGAAAGGATATGCTCACACTCTTGCTTGTTCAGATTCGAAGACAGA
AGGCTTCAAGGCCAACGCCTGGAAAATGGGCATCTCTCCCTCCCATGTTAAGCTTTAA
CCTCTGTAATCTGCCTGTATCTATAGGTGGGCATCTCACTCCATCAAAGGAGCCAGCCT
CTCTTTGTCCTCTATCCATGCAACAGTCTTCTCTGTGCATTTCCCAAGCTGGGCCCTC
TTCTACTCTCCATTTAGGCCTGTTGATAACTCCATTACCCACCCATCACTGCTGTTCCTC
CAGGGCCAGCACTCGGGCAGGCAGGGGAGCTGCCTTCGGTACATAATTTGAAGGGGCAC
TCCCTCTTGGGCACATGCCGGCCTGAGTGCCTCCCTTGCTCACTCTGATCCCGGCCCC
ATAATGTCTCAGTGGAAGGTGACTGGGGCCGGTGTGTGGGGAGAGTAGAAAAGAGGGG
TTGGCATGACTAAAAATACCAGTATGTGTATTAAGTATTTTGAGAATGAAATGCCAAGGA
GTGCCACTGTATGCCAGCTCTGCTCTAGGAATGGAGTAGACAGTGGACACAAGAAGGAC
TTACGCCCTGAGCACAGGTGCCAACGGTGACAAGACTGGCAAGACGTGAGGGCATGAATG
GTTCAATCAGGCAGCTGCTGCAGGTGTGGTCACCTGGTGCATCTGCTGCTCCCTTTTCC
ACTTTTCTATGCTCCTTCCACCCCAAGTCCCGGATCACTCGCTGTTTTCTGGTAGCT
CTTGGCATCTCCATCTGAGCCTAAAGTTGCCACTGGCACCAATAGATTCTGTTGACCT
GCAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198277 unedited NCCCTGTTCAGAAATTTGTAAACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTC GACTCAGCCTTAGTACCGGTGAGCAAAATGCGGTCTCCTGGCTCCGGGAGTCTGGTTC TTCCGGGCCTTCTCCAGGGACAGCTGGTTCCGAGGCCTCATCCTGCTGCTGACCTTCCTA ATTTACGCCTGCTATCACATGTCCAGGAAGCCTATCAGTATCGTCAAGAGCCGTGTCAC CAGAAGTCTCGGAGCAGATCAAACCCATCAATGATACTCACAGTCTCAATGACACCATG TGGTGCAGCTGGGCCCATTTGACAAGGACAATAAGGAGTTACTAGGGGGCGTGGAC AACGCCTTCTCATCGCCTATGCCATCGGCATGTTTCATCAGTGGGTTTTTGGGGAGCGG CTTCCGCTCCGTTACTACCTCTCAGCTGGAATGCTGCTCAGTGGCCTTTTACCTCGCTC TTTGGCCTGGGATATTTCTGGAACATCCACGAGCTCTGGTACTTTGTGGTCATCCAGGTC TGTAATGGACTCGTCCAGACCACAGGCTGGCCCTCTGTGGTGACCTGTGTGGCAACTGG TTCGGGAAGGGGAAGCGGGGTTTCATCATGGGCATCTGGAATCCACACATCTGTGGC AACATCTGGGCTCCCTGATCGCCGGCATCTGGGTGACGGGCAGTGGGGCTGTCGTTTC ATCGTGCCTGGCATCATTACTGCCGTGATGGGCGTCATCACCTTCTCTCTCATCGAA CACCCAGAAGATGTGGACTGCGCCCTCCTCAGCACACGGTGAGCCAGCTGAGAACCAG GACACCCCTGAGACCCTGGGACAGTCCCTGCTCTATCAGGGAGAGCGGCCTTGAGACC
Restriction Sites:	Please inquire
ACCN:	NM_198277
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:	<ol style="list-style-type: none"> 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_198277.1</u> , <u>NP_938018.1</u>
RefSeq Size:	2720 bp
RefSeq ORF:	1518 bp
Locus ID:	219855
UniProt ID:	<u>Q8TED4</u>
Cytogenetics:	11q24.2
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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).