

## Product datasheet for **MC201648**

### Slc37a1 (NM\_153062) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc37a1 (NM_153062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc37a1
Synonyms:	G3PP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC027294 sequence for NM\_153062  
 GGCAGGTGCTGATCTGCGGCAGGGGCTGAGCGGCAGGACTGGCTTTGGATGCCAGGCCAGGCCGACACG  
 TGGAGGCGTGAGGCAGATGCCCTTTAGAAAAGTAAATCAGGCCCTTCCCGGACTTTCCAGGATCAATTCTT  
 GGCAGGAGGTGTGGGGTTTGAAGAATAATTATCCGGAATTGACCAGGAAGCTGTGTGCCAGGGCATTCT  
 CATGACCCGGGTGGCTGGCCTTCAAGACTTAACCATGCAAGCCATTTATCACACTGACACAGAGATCAGC  
 CCCCTGATGGAAGGAAGAGGGGGCAGCACCCAGTAGGACCCATTTGAGGTTGCTTCCAGGCTGTGTGAA  
 CTGCGGGGCTGTACAGACAACTTTAACCTGTTTTGTGAAGTGTGTGACTTCGGGACTAGAGCACCGAGGT  
 CGGGGACGACATAAATGGCTCTGCTTCCCGTGGGCATCCGCTTATCATCTCCTTCTCCAGGGATCAGTG  
 GTACCGGGCTTTCATTTTATGCTGACCTTTCTGCTCTATGCAAGCTTCCACTTATCCCGAAAGCCTATC  
 AGCATAGTGAAGGGCGAGCTTCAACAAGCAGTGTACTGCAGGAGATGGGCCTGAGTCTCCATTCAAGTACC  
 CTAGCAGCAGCACCAGGCATGGCCCCACCCACTGGCTCCTGAACAATGAGACCGACTGTGGCTGGGCCCC  
 CTTGATAAAGAACAATTACCAGCAGCTGCTTGGAGCCCTGGACTACGCTTCTGTGCGCCTATGCCATT  
 GGAATGTACCTGAGTGAATAATAGGGGAACGCCTGCCGATTAGGTATTACCTGACTTTCGGGATGCTGG  
 CCAGCGGGCCTTACAGCCCTGTTGCGCTTGGGCTATTTCTACAACATCCACAGCCTGGGATTCTACGT  
 GGTGACCCAGATCATAATGGACTGGTGCAGACCACAGGCTGGCCAGCGTTGTACCTGCCTCAGCAAC  
 TGGTTTGGAAAAGGAAGCGTGGCCTGATCATGGGGATTGGAACCTCCACACCTCCGTGGGCAACATTC  
 TGGGGTCTTGATTGCCGGCTACTGGGTGTCTACGTGCTGGGGCCTGTCAATTTATCGTGCCTGGGGCCAT  
 CGTGGCAGCCATGGGGATAGTGTCTTTCTTCTCATCGAACACCCTAAGGACGTCAAGTGTCTCTCC  
 ACCCTCCACAGCACCCTAGAGCCTCTGAGAAATGGCATAAACAGATTTAGACTGCAGAAGCAAACCAGT  
 ACAGTGAAAAGAATGGACCTCTGGACCCAGAGCTTCAAGTCTTGTACTCTCCGACGGGAAGAACCCTT  
 TCACCCAAAGCCATATTGTTGCTCCTGCTGATGGCAACATGGCCGCCATCAGCTTACGGGAGCCCTG  
 AGGATCCCGGGCGTGATTGAGTTTTCTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT  
 TCTGGCTCCCGCTGTACATCACCAGTGTAGATCACCTGGATGCCAAGAAGCTGGGGAGCTGTCCACTT  
 GTTTGACGTGGGCGGGATCTTTGGTGGGATTCTAGCAGGCGTGATCTCCGACCGTCTGGAGAAACGAGCC  
 TCCACTTGTGGTCTGATGCTATTGCTGGCAGCACCCACGCTCTATGTCTTCTCCTCCGTCAGCAGATGG  
 GCCTAGAAGCCACCATAGCCATGTTGCTCCTCAGTGGGGCCTGGTGGAGCGGGCCCTACGCACTGATCAC  
 CACTGCCGTCTCTGCAGACTTGGGGACTCACAAGAGTCTGAAAGGGAACTCCACGCCCTGTCCACCGTG  
 ACAGCCATCATCGACGGCACTGGGTCTGTAGGAGCTGCCCTGGGGCCCTGCTGGCAGGGCTCATCTCCC  
 CCTCTGGATGGAGCAACGTGTTCTACATGCTGATGTTTGCAGATGCTGTGCCTTACTGTTCTCTGGTCCG  
 CCTCATACACAAGGAGTTGAGCTGTCCAGGCCAGCCGAGGGATCCAGGCTCCGCTGAAGGAACACTGA  
 CCATGGAGTCTCTGGAGTGCCTGGGCCATCTTACACACACAGTTTTTGGAAAAGATGAAGTGAAGGAT  
 CCTGTCCCAAAAGGAAGGCTCGCCTTACCACGTGCACCTGGGAGCAACTCGGACTTGCCGTATAGACAG  
 ACGCGGAGCTCAGGCTGACAGTGGGGAGTCTGTGTCTGTGTGCCACTGCCTAATGGGCCAAGACCCA  
 GTGGTCCAGCCAGCCCCAGCCTGACAGATGCTCACTGCCCTTTAGCTCTGAACTTAGCCTGCACAGTGA  
 CAGGTAGGACTGTCTGAAGCACCCAGGTAGCCCCACCCCTCTCAGGTATCAAGTGCAGAATGTTATATAG  
 CCTGTGAGCCCCAGCCATCCCGCCCCGCTGTTTCTGAATGTTTACAGTGAAGGATGGGACATGTCACA  
 GATGTCTCAGCAACCAACACGCCTCTGAATAGCATGTGAAAGCCTGGTACAGTCAAGTGTGAATGCTGTGA  
 GGAGTCCACACCCAGCCATCATGAAGGCCATGCTCAGGACCAGCCACGTCAGATGTGAATGCTGTGA  
 AGCAATAAGTCCCAGCAAGGCAGGGGCACTAGGAAGGCCAGTTCCAAAGCACCGCGTGTGCCGCGGTC  
 CCCAGAAGAATGGAGAGAGCGTGGTGGCTGGGGAGGGGACTCTGTTGGTTACCGAGAGCAATGGGTCTCA  
 CCCAGCCATCCCCTCATCCCAGACTGGGGTGTGTTTCTAGACCCACAGGATTTATTTATTTAAATGTA  
 TGCTGTGTTATATAGATTTTAAAGAGACATAAATGGCATTGTTGTTATTTAAGGCAAACCATGATTGT  
 TCCGTGGCCATCTGTTGCTTGTGATCTGCTCTTTGAAATAAATGAGTTTTTATTTAAAAA AAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_153062  
**Insert Size:** 1596 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC027294</a> , <a href="#">AAH27294</a>
<b>RefSeq Size:</b>	2947 bp
<b>RefSeq ORF:</b>	1596 bp
<b>Locus ID:</b>	224674
<b>UniProt ID:</b>	<a href="#">Q8R070</a>
<b>Cytogenetics:</b>	17 B1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>