

## Product datasheet for RN204619

### Slc37a4 (NM\_031589) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc37a4 (NM\_031589) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc37a4  
**Synonyms:** G6pt1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204619 representing NM\_031589  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCCCAAGGCTATGGCTATTACCGCACTGTCATATTCACAGCCATGTTCCGAGGCTACAGCCTTT  
 ACTACTTCAACCGCAAACCTTCTCTTTTGTTCATGCCCTCCTGGTGGATGAGATCGCTCTGGACAAGGA  
 CGATTTGGGGCTCATCAGGAGCAGCCAGTCGGCAGCCTACGCCATCAGCAAGTTTGTGAGCGGGGTGCTG  
 TCTGATCAGATGAGTGCCCGTTGGCTCTTCTCCTCTGGGCTGCTCCTGGTTGGTCTGGTCAACGTAGTCT  
 TCTCGTGGAGCTCTACAGTGACGGCTTTTGTCTCTCTGGTTTCTTAATGGTCTGGCACAGGGGCTAGG  
 CTGGCCCCCTGTGGGAAGATCCTGAGGAAGTGGTTTGGCCATCCCAGTTTGGCACTTGGTGGGCTGTG  
 TTGTCAACCAGCATGAACCTGGCTGGAAGCCTGGGACCTATCTTGGCGACAATCCTTGTCTCAGAGCTACA  
 GCTGGCGCAGCACCCCTGGCCCTGTCTGGGTCACTGTGTGTGGTTGTCTCCTTCTTCTGTCTGCTCAT  
 CCACAACGAACCTGCTGATGTTGGACTCCGAAATCTGGACCCTGCCCCCTCAAGGGCAAAGGGCTCG  
 TCAAAGGAGGAGAGCACCCCTACAGGACCTGCTGCTGTCCCCTATCTCTGGGTGCTCTCCACTGGTACC  
 TCGTGGTCTTTGGGTAAGACTTGTGTACAGACTGGGGCCAGTCTTCTTATCCAGGAGAGAGGGCA  
 GTCGGCCCTCGTGGGTAGTTCTACATCAGTGCCCTAGAGGTTGGAGGCCTTGTAGGAGCATTGCAGCT  
 GGCTATCTGTCTCAGACAGGGCTATGGCAAAGGCAGGGCTGTCTGTGTATGGAAACCCTCGCCACAGCCTGT  
 TGCTGCTCATGATGGCTGGCATGGCAGCATCCATGTTCTCTTCCGGGTAACGGTGACCAGCAGCTCGCC  
 CAAGATCTGGATCCTGGTGTGGGAGCCGTGTTGGTTTCTTCTTATGGTCCCATTGCCTTGTGGGA  
 GTCATAGTAATGAGAGTGCACCTCCAACTTGTGTGGTACCTCTCATGCTATTGTGGGGCTCATGGCCA  
 ATGTGGGTGGATTTCTGGCTGGGTTACCCTTCAGTACCATCGCCAAGCACTATAGCTGGAGCACAGCCTT  
 CTGGGTGGCAGAAGTGATCTGTATAGCCAGCACAGTTGTCTTCTTCTTGTCTCGAAATATCCGCACCAAG  
 ATGGGCCGAGTATCCAAGAAGGCAGAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_031589
<b>Insert Size:</b>	1290 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>	<u><a href="#">NM_031589.2</a></u> , <u><a href="#">NP_113777.2</a></u>
<b>RefSeq Size:</b>	2110 bp
<b>RefSeq ORF:</b>	1290 bp
<b>Locus ID:</b>	29573
<b>Cytogenetics:</b>	8q22
<b>Gene Summary:</b>	deficiency in enzyme activity in human causes glycogen storage disease type 1 (GSD-1) genetic disorders [RGD, Feb 2006]