

Product datasheet for **RG204879**

SLC37A4 (NM_001467) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC37A4 (NM_001467) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC37A4
Synonyms:	G6PT1; G6PT2; G6PT3; GSD1b; GSD1c; GSD1d; PRO0685; TRG-19; TRG19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204879 representing NM_001467 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCCAGGGCTATGGCTATTATCGCACTGTGATCTTCTCAGCCATGTTTGGGGGCTACAGCCTGT
ATTACTTCAATCGCAAGACCTTCTCCTTTGTGATGCCATCATTGGTGGAAGAGATCCCTTTGGACAAGGA
TGATTTGGGGTTCATCACCAGCAGCCAGTCGGCAGCTTATGCTATCAGCAAGTTTGTGAGTGGGGTCTG
TCTGACCAGATGAGTGTCTGCTGGCTCTTCTTCTGGGCTGCTCCTGGTTGGCCTGGTCAACATATTCT
TTGCCCTGGAGCTCCACAGTACCTGTCTTGTGCTGCCCTCTGGTTCCCTAATGGCCTGGCCAGGGGCTGGG
CTGGCCCCATGTGGGAAGGTCCTGCGGAAGTGGTTTGGCCATCTCAGTTTGGCACTTGGTGGCCATC
CTGTCAACCAGCATGAACCTGGCTGGAGGGCTGGGCCCTATCCTGGCAACCATCCTTGGCCAGAGCTACA
GCTGGCGCAGCAGCTGGCCCTATCTGGGGCACTGTGTGTGGTTGTCTCCTTCTCTGTCTCCTGTCTCAT
CCACAATGAACCTGTGATGTTGGACTCCGCAACCTGGACCCATGCCCTCTGAGGGCAAGAAGGGCTCC
TTGAAGGAGGAGACCCCTGCAGGAGCTGCTGCTGTCCCTTACCTGTGGGTGCTCTCCACTGGTTACC
TTGTGGTGTGGAGTAAAGACCTGCTGTACTGACTGGGGCCAGTTCTTCTTATCCAGGAGAAAGGACA
GTCAGCCCTTGTAGGTAGCTCCTACATGAGTGCCTGGAAGTTGGGGCCTTGTAGGCAGCATCGCAGCT
GGCTACCTGTGACACGGGCCATGGCAAAGCGGGACTGTCCAACCTACGGGAACCCCTGCCATGGCCTGT
TGCTGTTTCATGATGGCTGGCATGACAGTGTCCATGTACCTCTTCCGGGTAAACAGTGACCAAGTACCTCCC
CAAGCTCTGGATCCTGGTATTGGGAGCTGTATTTGGTTTCTCCTCGTATGGCCCCATTGGCCTGTTTGA
GTCATAGCCAACGAGAGTGCCCTCCCAACTTGTGTGGCACCTCCACGCCATTGTGGGACTCATGGCCA
ATGTGGGCGGCTTCTGGCTGGGCTGCCCTTACGACCAATTGCCAAGCACTACAGTTGGAGCACAGCCTT
CTGGGTGGCTGAAGTGATTTGTGCGGCCAGCACGGCTGCCTTCTCTCTACGAAACATCCGCACCAAG
ATGGGCCGAGTGTCCAAGAAGGCTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Reconstitution Method:

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: [NM_001467.6](#)

RefSeq Size: 2090 bp

RefSeq ORF: 1290 bp

Locus ID: 2542

UniProt ID: [O43826](#)

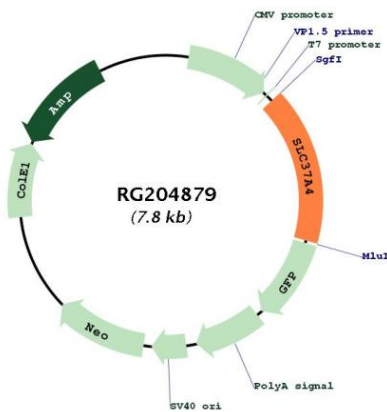
Cytogenetics: 11q23.3

Domains: sugar_tr

Protein Families: Transmembrane

Gene Summary: This gene regulates glucose-6-phosphate transport from the cytoplasm to the lumen of the endoplasmic reticulum, in order to maintain glucose homeostasis. It also plays a role in ATP-mediated calcium sequestration in the lumen of the endoplasmic reticulum. Mutations in this gene have been associated with various forms of glycogen storage disease. Alternative splicing in this gene results in multiple transcript variants.[provided by RefSeq, Aug 2009]

Product images:



Circular map for RG204879