

## Product datasheet for **SC332517**

### SLC20A2 (NM\_001257181) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC20A2 (NM_001257181) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC20A2
Synonyms:	GLVR-2; GLVR2; IBGC1; IBGC2; IBGC3; MLVAR; PIT-2; PIT2; Ram-1; RAM1
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332517 representing NM\_001257181.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCATGGATGAGTATTTGTGGATGGTCATTTTGGGTTTCATCATAGCTTTTCATCTTGGCCTTTTCT
GTTGGTGCAAACGATGTTGCCAACTCCTTTGGTACAGCCGTGGGCTCTGGTGTGGTGACCTTGAGGCAG
GCATGCATTTTAGCTTCAATATTTGAAACCACCGGCTCCGTGTTACTAGGCGCAAAGTAGGAGAAAAC
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AGTGCCATGGTTGGTTCCGCTGTGTGGCAGCTGATTGCTTCTTCTGAGGCTTCCAATCTCAGGAACG
CACTGCATTGTGGTTCTACTATAGGATTCTCACTGGTCGCAATCGGTACCAAAGGTGTGCAGTGGATG
GAGCTTGTCAAGATTGTTGCTTCTTGGTTATATCTCCACTGTTGTCTGGTTTCATGTCTGGCCTGCTG
TTTGTACTCATCAGAATTTTCATCTTAAAAAAGGAAGACCCTGTTCCCAATGGCCTCCGGGCACTCCCA
GTATTCTATGCTGCTACCATAGCAATCAATGTCTTTTCCATCATGTACACAGGAGACCAGTGTCTGGC
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CGAGTATCTGACGAAAGCCTCAGTAAGGTTTCAGGAAGCAGAGTCCCAAGTATTTAAAGAGTACCAGGT
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GCCATTTGTGGGTGCCAGTGCACGCCACCTTTCGAGCTGCGGACTCATCGGCCCAGAGGACAGTGAG
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CACCTCCTGTTCCATTTCTGCAGGTCCTCACCGCTGTTTCGGGTCCTTTGCTCACGGCGGCAATGAC
GTGAGTAATGCCATCGGTCCCCTGGTAGCCTTGTGGTGATTTACAAACAAGCGGGGTAACGCAAGAA
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GTGGGCTCGGTGGTGGCCGTGGGCTGGATCCGCTCCCGCAAGGCTGTGGACTGGCGCCTTTTCGGAAC
ATCTTCGTGGCCTGGTTCGTGACCGTCCCTGTGGCTGGGCTGTTACAGCGTGTGTCATGGCTCTTCTC
ATGTATGGGATCCTTCCATATGTGA
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001257181

**Insert Size:** 1959 bp

**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:**

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\\_001257181.1](#)

**RefSeq Size:** 3639 bp

**RefSeq ORF:** 1959 bp

**Locus ID:** 6575

**UniProt ID:** [Q08357](#)

**Cytogenetics:** 8p11.21

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 70.4 kDa

**Gene Summary:** This gene encodes a member of the inorganic phosphate transporter family. The encoded protein is a type 3 sodium-dependent phosphate symporter that plays an important role in phosphate homeostasis by mediating cellular phosphate uptake. The encoded protein also confers susceptibility to viral infection as a gamma-retroviral receptor. Mutations in this gene may play a role in familial idiopathic basal ganglia calcification. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.