

Product datasheet for **RG201882**

SLC20A1 (NM_005415) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC20A1 (NM_005415) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC20A1
Synonyms:	Glvr-1; GLVR1; PiT-1; PIT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG201882 representing NM_005415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCAACGCTGATTACCACTACTACAGCTGCTACCGCCGCTTCTGGTCCTTTGGTGGACTACCTATGGA
 TGCTCATCCTGGGCTTCATTATTGCATTTGTCTTGGCATTCTCCGTGGGAGCCAATGATGTAGCAAATTC
 TTTTGGTACAGCTGTGGGCTCAGGTGTAGTGACCCTGAAGCAAGCCTGCATCCTAGCTAGCATCTTTGAA
 ACAGTGGGCTCTGTCTTACTGGGGGCCAAAGTGAGCGAAACCATCCGGAAGGGCTTGATTGACGTGGAGA
 TGTACAACCTCGACTCAAGGGCTACTGATGGCCGGCTCAGTCAGTGCTATGTTTGGTTCTGCTGTGTGGCA
 ACTCGTGGCTTCGTTTTTGAAGCTCCCTATTTCTGGAACCCATTGTATTGTTGGTGCAACTATTGGTTTC
 TCCCTCGTGGCAAAGGGGAGGAGGTGTCAAGTGGTCTGAACTGATAAAATTGTGATGTCTTGGTTTCG
 TGTCCCACTGCTTTCTGGAATTATGTCTGGAATTTTATTCTTCTGGTTCGTGCATTATCCTCCATAA
 GGCAGATCCAGTTCCTAATGGTTTGGCAGCTTTGCCAGTTTTCTATGCCTGCACAGTTGGAATAAACCTC
 TTTTCCATCATGTATACTGGAGACCGTTGCTGGGCTTTGACAACTTCTCTGTGGGGTACCATCTCA
 TCTCGGTGGGATGTGCAGTTTTCTGTGCCCTTATCGTCTGGTTCTTTGTATGTCCAGGATGAAGAGAAA
 AATTGAACGAGAAATAAAGTGTAGTCTTCTGAAAGCCCTTAATGGAAGAAAAGAATAGCTTGAAGAA
 GACCATGAAGAAACAAAGTTGTCTGTTGGTGATATTGAAACAAGCATCTGTTTCTGAGGTAGGGCCTG
 CCACTGTGCCCTCCAGGCTGTGGTGGAGGAGAGAACAGTCTCATTCAAAGTGGAGATTGGAGGAAGC
 TCCAGAGAGAGAGAGGCTTCCAGCGTGGACTTGAAAGAGGAAACCAGCATAGATAGCACCGTGAATGGT
 GCAGTGCAGTTGCCTAATGGGAACCTTGTCCAGTTCAGTCAAGCCGTGAGCAACCAATAAACTCCAGTG
 GCCACTACCAATATCACACCGTGCATAAGGATTCGGGCTGTACAAAGAGCTACTCCATAAATTACATCT
 TGCCAAGGTGGGAGATTGCATGGGAGACTCCGGTGACAAACCTTAAGGCGCAATAATAGCTATACTTCC
 TATACCATGGCAATATGTGGCATGCCTCTGGATTATTCCGTGCCAAAGAAGGTGAACAGAGGGCGAAG
 AAATGGAGAAGCTGACATGGCCTAATGCAGACTCCAAGAAGCGAATTGCAATGGACAGTTACACCAGTTA
 CTGCAATGCTGTGTCTGACCTTCACTCAGCATCTGAGATAGACATGAGTGTCAAGGCAGAGATGGGTCTA
 GGTGACAGAAAAGGAAGTAATGGCTCTCTAGAAGAATGGTATGACCAGGATAAGCCTGAAGTCTCTCTCC
 TCTTCCAGTTCCTGCAGATCCTTACAGCCTGCTTTGGGTATTGCGCCATGGTGGCAATGACGTAAGCAA
 TGCCATTGGGCTCTGGTTGCTTTATATTTGGTTTATGACACAGGAGATGTTTCTTCAAAGTGGCAACA
 CCAATATGGCTTCTACTCTATGGTGGTGTGGTATCTGTGTTGGTCTGTGGGTTTGGGAAGAAGAGTTA
 TCCAGACCATGGGAAGGATCTGACACCGATCACACCCTTAGTGGCTTCAGTATTGAACTGGCATCTGC
 CCTCACTGTGGTATTGCATCAATATTGGCCTTCCCATCAGTACAACACATTGTAAGTGGGCTCTGTT
 GTGTCTGTTGGCTGGCTCCGGTCCAAGAAGGCTGTTGACTGGCGTCTCTTCGTAAACATTTTATGGCCT
 GGTTTGTACAGTCCCATTTCTGGAGTTATCAGTGCTGCCATCATGGCAATCTTCAGATATGTCATCCT
 CAGAATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG201882 representing NM_005415
 Red=Cloning site Green=Tags(s)

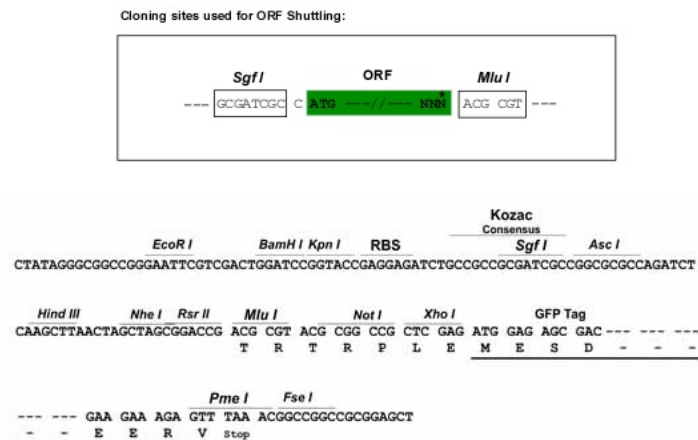
MATLITSTTAATAASGPLVDYLWMLILGFIIAFVLAFSVGANDVANSFGTAVGSGVVTLKQACILASIFE
 TVGSVLLGAKVSETIRKGLIDVEMYNSTQGLLMAGSVSAMFGSAVWQLVASFLKLPISGTHCIVGATIGF
 SLVAKGQEGVKWSELIKIVMSWFVSPLLSGIMSGILFFLVRAFILHKADPVPNGLRALPVFYACTVGINL
 FSIMYTGAPLLGFDKLPWGTILISVGCASFVCAIVWFFVCPMRMKRIEREIKCSPSESPLEMEKKNLKE
 DHEETKLSVGDIENTKHPVSEVGPAIVPLQAVVEERTVSFKLGDLEEAPERERLPSVDLKEETSIDSTVNG
 AVQLPNGNLVQFSQAVSNQINSSGHYQYHTVHKDSGLYKELLHKLHLAKVGDCMGDSGDKPLRRNNSYTS
 YTMAICGMPLDSFRAKEGEQKGEEMEKLTWPNADSKKRIRMSYTSYCNVSDLSASEIDMSVKAEMGL
 GDRKGSNGSLEEWYDQDKPEVSLLFQFLQILTACFGSAFHGGNDVSNAIGPLVALYLVYDTGDVSSKVAT
 PIWLLLYGGVGICVGLWVWGRRIQTMGKDLTPITSSGFSIELASALTVVIASNIGLPISTTHCKVGVS
 VSVGWLRSKKAVDWRLFRNIFMAWFVTVPISGVISAAIMAFRYVILRM

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

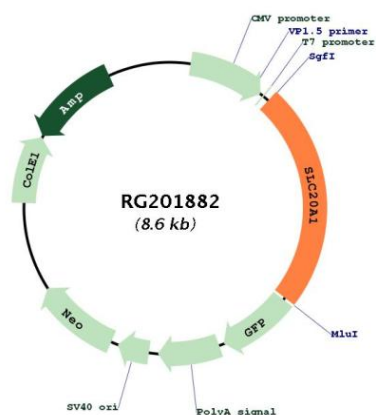


ACCN: NM_005415

ORF Size: 2037 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_005415.3 , NP_005406.3
RefSeq Size:	3390 bp
RefSeq ORF:	2040 bp
Locus ID:	6574
UniProt ID:	Q8WUM9
Cytogenetics:	2q14.1
Domains:	PHO4
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a sodium-phosphate symporter that absorbs phosphate from interstitial fluid for use in cellular functions such as metabolism, signal transduction, and nucleic acid and lipid synthesis. The encoded protein is also a retroviral receptor, causing human cells to be susceptible to infection by gibbon ape leukemia virus, simian sarcoma-associated virus, feline leukemia virus subgroup B, and 10A1 murine leukemia virus.[provided by RefSeq, Mar 2011]

Product images:



Circular map for RG201882