

Product datasheet for SC322456

SLC20A1 (NM_005415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC20A1 (NM_005415) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC20A1
Synonyms:	Glvr-1; GLVR1; PiT-1; PIT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322456

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>OriGene sequence for SC322456
TGCCGGCGCTCTCTGCGTGGTTCTTCTTCTCGGCCGCTGAAACCCCGCGGCTGCTTCCT
GGGAAGGTCGTGAGTCCCGCTGAGCTGTCCCGGTGCCGCCGACCCGGGCGGTGCCCCG
TGGCTCCAGCCGCTGCCGCTCGATCTCCTCGTCTCCCGCTCCGCCCTCCCTTTTCCCTG
GATGAACCTGCGTCCTTTCTTCTCCGCCATGGAATTCTGCTCCGTGCTTTTAGCCCTC
CTGAGCCAAAGAAACCCAGACAACAGATGCCATACGCAGCGTATAGCAGTAACCCCC
AGCTCGGTTTCTGTGCCGTAGTTTACAGTATTTAATTTTATATAATATATATTATTATT
ATAGCATTTTTGATACCTCATATTCTGTTTACACATCTTGAAAGGCGCTCAGTAGTTCTC
TTACTAAACAACCACTACTCCAGAGAATGGCAACGCTGATTACCAGTACTACAGTGCTA
CCGCCGCTTCTGGTCCTTTGGTGGACTACCTATGGATGCTCATCTGGGCTTCATTATTG
CATTTGTCTTGGCATTCTCCGTGGGAGCCAATGATGTAGCAAATTCCTTTGGTACAGCTG
TGGGCTCAGGTGTAGTGACCCTGAAGCAAGCCTGCATCCTAGCTAGCATCTTTGAAACAG
TGGGCTCTGTCTTACTGGGGGCCAAAGTGAGCGAAACCATCCGGAAGGGCTTGATTGACG
TGGAGATGTACAACCTCGACTCAAGGGCTACTGATGGCCGGCTCAGTCAGTGCTATGTTTG
GTTCTGCTGTGTGGCAACTCGTGGCTTCGTTTTTGAAGCTCCCTATTTCTGGAACCCATT
GTATTGTTGGTGCAACTATTGGTTTCTCCCTCGTGGCAAAGGGGCAGGAGGTGTCAAGT
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TGTCTGGAATTTTATTCTTCTCGTGGTTCGTGCATTATCCTCCATAAGGCAGATCCAGTTC
CTAATGGTTTGGAGCTTTGCCAGTTTTCTATGCCTGCACAGTTGGAATAAACCTCTTTT
CCATCATGTATACTGGAGCACCCTTGCTGGGCTTTGACAAACTTCTCTGTGGGGTACCA
TCTCATCTCGGTGGGATGTGCAGTTTTCTGTGCCCTTATCGTCTGGTCTTTGTATGTC
CCAGGATGAAGAGAAAAATTGAACGAGAAATAAAGTGTAGTCCTTCTGAAAGCCCTTAA
TGGAAAAAAGAAATAGCTTGAAAGAAGACCATGAAGAAACAAAGTTGTCTGTTGGTGATA
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TGGAGGAGAGAACAGTCTCATTCAAACCTGGAGATTTGGAGGAAGCTCCAGAGAGAGAGA
GGCTTCCAGCGTGGACTTGAAAGAGGAAACCAGCATAGATAGCACCGTGAATGGTGCAG
TGCAGTTGCCTAATGGGAACCTTGTCAGTTCAGTCAAGCCGTCAGCAACCAATAAACT
  
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CCAGTGGCCACTACCACTATCACACCGTGCATAAGGATTCCGGCCTGTACAAAGAGCTAC
TCCATAAATTACATCTTGCCAAGGTGGGAGATTGCATGGGAGACTCCGGTGACAAACCT
TAAGGCGCAATAATAGCTATACTTCTATACCATGGCAATATGTGGCATGCCTCTGGATT
CATTCCGTGCCAAAGAAGGTGAACAGAAGGGCGAAGAAATGGAGAAGCTGACATGGCCTA
ATGCAGACTCCAAGAAGCGAATTCTGAATGGACAGTTACACCAGTTACTGCAATGCTGTGT
CTGACCTTCACTCAGCATCTGAGATAGACATGAGTGTCAAGGCAGAGATGGGTCTAGGTG
ACAGAAAAGGAAGTAATGGCTCTCTAGAAGAATGGTATGACCAGGATAAGCCTGAAGTCT
CTCTCCTCTTCCAGTTCCCTGCAGATCCTTACAGCCTGCTTTGGGTCAATCGCCCATGGTG
GCAATGACGTAAGCAATGCCATTGGGCCTCTGGTTGCTTTATATTTGGTTTATGACACAG
GAGATGTTTTCTTCAAAAGTGGCAACACCAATATGGCTTCTACTCTATGGTGGTGTGGTA
TCTGTGTTGGTCTGTGGGTTTGGGAAGAAGAGTTATCCAGACCATGGGAAGGATCTGA
CACCGATCACACCCTCTAGTGGCTTCAGTATTGAACTGGCATCTGCCCTCACTGTGGTGA
TTGCATCAAAATATTGGCCTTCCCATCAGTACAACACATTGTAAGTGGGCTCTGTGTGT
CTGTTGGCTGGCTCCGGTCCAAGAAGGCTGTTGACTGGCGTCTCTTCGTAACATTTTAA
TGGCCTGGTTTGTACAGTCCCCATTTCTGGAGTTATCAGTGTGCCATCATGGCAATCT
TCAGATATGTCATCCTCAGAATGTGAAGCTGTTTGAGATTAATAATTTGTGTCAATGTTTG
GGACCATCTTAGGTATTCTGCTCCCCTGAAGAATGATTACAGTGTAAACAGAAGACTGA
CAAGAGTCTTTTTATTTGGGAGCCAGAGGAGGGAAGTGTTACTTGTGCTATAACTGCTTT
TGTGCTAAATATGAATTGTCTCAAAATTAGCTGTGTAAATAGCCCGGTTTCTTTGGCT
CCTGCTGAGGTCCCCTTTCTTCTGGGCTGTGAATTCCTGTACATATTTCTACTTTTT
GTATCAGGCTTCAATTCATTATGTTTTAATGTTGTCTCTGAAGATGACTTGTGATTTTT
TTTTCTTTTTTTTAAACCATGAAGAGCCGTTTGACAGAGCATGCTCTGCGTTGTTGGTTT
CACCAGCTTCTGCCCTCACATGCACAGGGATTTAACAACAAAAATATACTACAATTCC
CTTGATGCTCTTATATAAGTAGAGTCTTGGTACTCTGCCCTCCTGTCTAGTGTGGCAG
GATCTATTGGCATATTCGGGAGCTTCTTAGAGGGATGAGGTTCTTTGAACACAGTGAAAA
TTTAAATTAGTAATTTTTTGAAGCAGTTTATTGACTGTTATTGCTAAGAAGAAGTAAG
AAAGAAAAAGCCTGTTGGCAATCTTGGTATTTCTTAAAGATTCTGGCAGTGTGGGATG
GATGAATGAAGTGAATGTGAATTCGGGCAAGTTAAATGGGACAGCCTTCCATGTTTAT
TTGTCTACCTCTTAATGAATAAAAAAGCCTACAGTTTTTAGAAAAA
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Restriction Sites:

Please inquire

ACCN:

NM_005415

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_005415.3, NP_005406.3</u>
RefSeq Size:	3297 bp
RefSeq ORF:	2040 bp
Locus ID:	6574
UniProt ID:	<u>Q8WUM9</u>
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]