

Product datasheet for MC209414

Slc20a1 (NM_001159593) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc20a1 (NM_001159593) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc20a1
Synonyms:	Al607883; Glvr-1; Glvr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209414 representing NM_001159593 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCTACTGTGGCAACGATTACTAGTACCCTAGCTGCTGTTACTGCTTCCGCTCCACCGAAGTATG
ACAATCTATGGATGCTCATCCTGGGCTTCATCATTGCATTTGCTTGGCATTCTCCGTGGGAGCCAATGA
TGTAAGCAATTCGTTCCGTACAGCTGTAGGCTCAGGTGTAGTGACCTGAAGCAAGCCTGCATCTTAGCT
AGCATCTTCGAACTGTGGGCTCCGCCTTGCTGGGGGCCAAAGTGAGCGAAACCATCCGGAACGGCTTGA
TAGATGTGGAGCTGTACAACGAACTCAAGATCTGCTCATGGCTGGCTCCGTGAGTGTATGTTTGGTTC
TGCTGTGTGGCAGCTCGTGGCTTCGTTTTGAAGCTTCCGATTTCTGGGACCCATTGTATTGTCGGTGCA
ACCATTTGGTTTCTCCCTTGTTGGCAAATGGGCAGAGGGTGTCAAGTGGTCTGAACTGATAAAAAATTGTGA
TGTCGTGGTTCTGCTCTCCGCTGCTTTCTGGTATTATGCTGGAATTTATTCTTCCTTGTTCGTGCGTT
CATCTCCGTAAGGCAGATCCGTTCTAATGGCTTACGAGCTTTACCAATTTTTATGCCTGCACAATC
GGAATCAACCTCTTTCCATTATGTATACTGGAGCACCGTGGCTGAAATCTCCTAGAAGGTGGCTGGCCT
GCATCCATTTAGAAGGCTGCAGGCTAGTGTATGCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001159593
Insert Size:	738 bp


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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:	<ol style="list-style-type: none"> 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_001159593.1, NP_001153065.1</u>
RefSeq Size:	2019 bp
RefSeq ORF:	738 bp
Locus ID:	20515
UniProt ID:	<u>Q61609</u>
Cytogenetics:	2 62.79 cM
Gene Summary:	<p>Sodium-phosphate symporter which plays a fundamental housekeeping role in phosphate transport, such as absorbing phosphate from interstitial fluid for normal cellular functions such as cellular metabolism, signal transduction, and nucleic acid and lipid synthesis. May play a role in extracellular matrix and cartilage calcification as well as in vascular calcification. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>