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Product datasheet for RN210719

Slc13a1 (NM_031651) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc13a1 (NM_031651) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc13a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>RN210719 representing NM_031651
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCTCCTCAATTACGCTTTTGTGTATCGTCGCTTTCTCCTTGTGGTTTTCACTGTTTTGGTTTTAT
TGCCACTCCCTCTCATCATCCGTAGCAAGGAAGCAGAATGTGCCTACATCCTCTTTGTTATTGCCACATT
TTGGATCACAGAAGCCTTGCCCCTGTCAATCACAGCTCTACTGCCTGGGTTAATGTTCCCCATGTTTGGA
ATCATGTCTTCTACACATGTAGCTTCTGCTTACTTCAAAGACTTTCACCTTCTGCTAATTGGAGTCATCT
GCTTAGCAACATCAATAGAAAAATGGAATTTGCACAAGAGGATTGCTCTGAGGATGGTGATGATGGTGGG
GGTGAATCCGGCCTGGCTGACGTTGGGGTTCATGAGCAGTACTGCCTTCTTATCTATGTGGCTTAGCAAC
ACCTCTACTGCTGCCATGGTGATGCCCATCGTGGAGGCAGTGGCGCAGCAGATCACCAGTGCTGAAGCAG
AGGCCGAGGCCACTCAGATGACTTATTTCAATGAATCTGCCGCCCAGGGACTCGAAGTTGATGAAACTAT
TATTGGACAAGAAACAAATGAGAGGAAAGAGAAAACAAAACCAGCTCTAGGAAGCAGTAATGACAAAGGG
AAAGTGTCAAGCAAGATGGAGACAGAAAAGAACACAGTCACAGGAGCAAAGTATCGGTCAAAGAAGGACC
ACATGATGTGTAAGCTCATGTGTTTATGTATTGCTTACTCTTCAACCATTGGTGGACTGACGACAATCAC
TGGTACCTCCACCAACCTGATCTTCTCCGAGCATTTCAACACACGCTACCCTGATTGTCGCTGCCTCAAC
TTTGGATCTTGGTTTTTGTTTTCCTTCCCGGTCGCTGTTATTCTTCTACTTTTGTCTTGGATTTGGCTTC
AATGGCTTTTCTTAGGATTCAACTTTAAGGAGATGTTCAAGTGTGGCAAAACCAAAACACTCAAAGAAAA
AGCTTGTGCCGAGGTGATCAAGCAAGAATATGAAAAACTTGGGCCAATGAGGTATCAAGAAATCGTGACC
TTGGTGATCTTCATTGTAATGGCCTTGCTCTGGTTCAGTCGGGACCCTGGCTTTGTCACTGGTTGGTCAG
TCCTGTTTTCAGAGTACCCGGGTTATGTTACAGATTCAACTGTTGCCTTAGTTGCAGGAATCCTTTTCTT
TCTAATTCCAGCCAAGAAACTGACAAAAATGACATCCACAGGAGATATTATTGCTTTTGATTATTCTCCC
CTGATTACTTGGAAAGAATTCCAGTCATTCATGCCCTGGGACATAGCCATTCTCGTTGGTGGAGGCTTTG
CCCTGGCAGATGGTTGTCAGGTATCAGGACTATCTAGCTGGATAGGAAGTAAATTATCTCCTTTAGGTTC
GTTACCAGTTTGGCTAATAATTCTGATATCCTCTTTGATTGTCACATCTTTGACAGAGGTAGCCAGCAAC
CCAGCTACCATTACCATTCTGTTCCCCATATTATCTCCTTTGGCTGAAGCCATTCATGTGAACCCTCTTC
ACATTTTGCTGCCATCCACACTTTGTACCTCATTTGCATTTCTCCTGCCAGTTGCAAATCCACCCAATGC
CATTGTGTTTTCATATGGCCACCTGAAAGTCATTGACATGGTTAAAGCTGGACTCGGAGTAAACATTTTG
GGTGTTGCTGTGGTGATGCTGGGCATGTTCACCTGGATCGAACCTATGTTTAACCTCCACGAATATCCCT
CCTGGGCTCCTGACATTGTTAATCAGACCATGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031651

Insert Size: 1788 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_031651.1, NP_113839.1
RefSeq Size:	2215 bp
RefSeq ORF:	1788 bp
Locus ID:	58980
UniProt ID:	Q07782
Cytogenetics:	4q22
Gene Summary:	mediates sodium dependent sulfate transport; may play a role in sodium:sulfate cotransport in renal and intestinal brush border membranes [RGD, Feb 2006]