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Product datasheet for MC216287

Slc17a1 (NM_001170638) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a1 (NM_001170638) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a1
Synonyms:	NAPI-1; Napi1; Npt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC216287 representing NM_001170638
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAACCAGTGCCTCCCCAAGAAAGTTCCAGGGTTCTGTTCCTTCCGGTATGGACTGGCTATCCTTC
TGCACTTCTGTAACATTGCCATCATGGCCCAGAGAGTGTGCCTGAACCTCACCATGGTAGCCATGGTGAA
CAACACAGGGTCACCCCATTTATCTAACGAATCTGTAGTGGAGATGTTGGACAATGTAAAGAACCCTGTG
TATTCCTGGAGTCCTGATATCCAAGGGCTTATTCTCAGTTCTGTCTTCTTTGGTATGGTCGTGGTTCAGG
CTCCTGTCGGGTACCTATCTGGAATATACCCAATGAAGAGAATAATTGGGTCTTCACTGTTCCTCAGCTC
TTTGATGTCCTTGCTCCTCCCACCTGCTGCACAAGTCGGAGCTGCTTTAGTCATTGTGTGTCGAGTACTC
CAGGGAATAGCCCAGGGAACAGTGTCAACAGGCCAGCATGAAATATGGGTCAAATGGGCACCTCCCTTAG
AACGAGGCAGACTTACCTCTATGACTCTATCAGGGTTTGTAATGGGACCATTTATTGTCCTGCTTGTGAG
TGGCTTCATCTGTGATCTTCTGGGCTGGCCCATGGTCTTCTACATCTTTGGTATTGTTGGGTGTGTTCTG
AGTCTTTCCTGGTTCTTTCTATTCTTTGATGACCCCAAGGACCACCCGTATATGAGCAGCAGTGAGAAGG
ACTACATCATATCCTCCCTCATGCAACAGGCCAGCTCAGGCAGACAATCCCTGCCAATCAAAGCTATGCT
TAAATCTCTTCCACTCTGGGCCATTATCCTCAATAGCTTTGCTTTCATATGGTCGAACAGTCTCCTGGTT
ACATACACGCCGACATTTATCAGCACTGTGCTTCATGTTAATGTTAGAGAGAATGGACTGCTGTCCAGCC
TCCCCTATCTGCTTGCCTACATCTGTGGTATCCTAGCAGGTCAGATGTCAGACTTCTTCCTGACCAGGAA
GATTTTCAGCATAGTTACCGTCCGGAAACTCTTCACCACACTAGGGAGTTTCTGTCCCGTGATCTTCATC
ATGTGCTTGCTCTACCTGAGCTACAACTTCTACAGCACCGTCATTTTCCTGACACTTGCCAACTCAACAC
TTAGCTTTTCCTACTGCGGACAACTTATCAATGCCTTGGATATTGCTCCCAGATATTATGGATTTCTTAA
GGCAGTCACAGCTTTAATTGGAATGTTTGGGGGCCTGATTTCTTCAACTCTTGCTGGGTTGATTCTTAAT
CAGGATCCGGAATATGCTTGGCATAAAATTTTCTTCTTGATGGCAGGCATTAATGTGACATGCCTGGTTT
TCTATTTTCTATTTGCTAAAGGAGAAATTCAGGACTGGGCTAAAGAAATAAAAACCACACGACTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001170638

Insert Size: 1398 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.

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RefSeq:	NM_001170638.1, NP_001164109.1
RefSeq Size:	1957 bp
RefSeq ORF:	1398 bp
Locus ID:	20504
UniProt ID:	Q61983
Cytogenetics:	13 9.97 cM
Gene Summary:	Important for the resorption of phosphate by the kidney. May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Plays a role in urate transport in the kidney.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.

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