

Product datasheet for MC225075

Scn3a (NM_018732) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scn3a (NM_018732) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scn3a
Synonyms:	Gm1000; Nav1.3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225075 representing NM_018732 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGCACTGCTGGTACCCCGGGACCTGAGAGCTTCCGCCCTTTCACTCGAGAATCTTTGCTG
CTATCGAAAAGCGTGCTGCAGAAGAGAAAGCAAGAAACCAAGAAAGAACAAGACATTGACGATGAGAA
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 CCGCATCCACTGCCTGGACATCTTATTTGCTTTTACAAAGCGGGTCTGGGTGAGAGTGGAGAGATGGAT
 GCCCTTCGAATCCAGATGGAAGATCGGTTTCATGGCTTCCAATCCCTCCAAGGTCTTTATGAGCCCATTA
 CCACCCTCTGAAGCGCAAACAAGAGGAGGTGTCTGCTGCTATCATTACAGCGTAATTACAGATGTTATCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_018732
Insert Size:	5844 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:	<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:	NM_018732.3 , NP_061202.3
RefSeq Size:	9560 bp
RefSeq ORF:	5844 bp
Locus ID:	20269
UniProt ID:	A2ASI5
Cytogenetics:	2 38.55 cM

Gene Summary:

Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient (PubMed:29142310). May contribute to the regulation of serotonin/5-hydroxytryptamine release by enterochromaffin cells (PubMed:29142310). In pancreatic endocrine cells, required for both glucagon and glucose-induced insulin secretion (PubMed:25172946).[UniProtKB/Swiss-Prot Function]