

## Product datasheet for **SC113053**

### SLC24A3 (NM\_020689) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC24A3 (NM_020689) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC24A3
Synonyms:	NCKX3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_020689 unedited NNTTTTACTCTGNACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGAT AGAGAACAGAGAAGTTTATTTTACACTATCCGTCCAAGAAACAATCGCCATAAACAGTG CAAAATGTGCAACAGAATCAATAAGTGTGTCTTAGCTCTGAGAGCCCAAATTGGTGATTT CTTCTCCTGTTCCCTCAGTTGGGCACGTGCCCATCCGTTAATGCTGGTTCGCACCACAGA CAGAAACATTCAACCAATTTGTAGCAGGTTATTTTTACAAATTCATACCAGAATGTGTAC AAGGGACAGGGAAAACCATACCGAATGAATGATAAGTGATCAGTGCTTAAAGTAAATACA AGGGACAGCACGGGCAAGAATCCACAGTTTCAATAAATACAAGTGAACAAGCATGGTGTG TCTCAACTGGGTGGAATTAGTCTGCATAATAATTCAGCATCATACAAAATCTAGCAGGGC TGTTGAGCAGTGATTGGCAAAAACGTTCAACAATACTTATGCCCTTGAGCGAGTCTGCAT GTAACACATTCTGTGGTTTCAAAGGTGTCAGTTCTCTGTTTTCTCCTTCCCTGGCCATCC CTCCAGGAAGGGAGGGTGCAGCTGGGCCGGCTTGGCGGAGGCGCCCGTGAGGAAGGAC GTTTGCCCAAGAGCCAGTGGTCCAGGTCCAGTGTACTCAATACCAAGTGGCAAATGGGA CTTAATTGACGACGTCTGTGCAAAGTGCCTTCTCTCCATTTTCCAAGAAACCAGTGTCT GTAACCTCTGCATGANNAAGCAGTGGTGGCCTCTGGGTCACTCTGTGCACCCCAATGCC AAAAAACAAGAGCCATCTCAGGNACTACAAGTCGGNGAAAGCTCTGTTTTNGACTGCCT GGCACTCATGGTAGGGTAGTTTGTAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020689
<b>Insert Size:</b>	3720 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_020689.3</a></u> , <u><a href="#">NP_065740.2</a></u>
<b>RefSeq Size:</b>	3905 bp
<b>RefSeq ORF:</b>	1935 bp
<b>Locus ID:</b>	57419
<b>UniProt ID:</b>	<u><a href="#">Q9HC58</a></u>
<b>Cytogenetics:</b>	20p11.23
<b>Domains:</b>	Na_Ca_Ex
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

Plasma membrane sodium/calcium exchangers are an important component of intracellular calcium homeostasis and electrical conduction. Potassium-dependent sodium/calcium exchangers such as SLC24A3 are believed to transport 1 intracellular calcium and 1 potassium ion in exchange for 4 extracellular sodium ions (Kraev et al., 2001 [PubMed 11294880]).[supplied by OMIM, Mar 2008]