

## Product datasheet for SC117946

### SLC30A3 (NM\_003459) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC30A3 (NM_003459) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC30A3
Synonyms:	ZNT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117946 sequence for NM_003459 edited (data generated by NextGen Sequencing)

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ATGGAGCCCTCTCCAGCCGCTGGGGCTTGGAGACCACTCGCCTGGTGGAGCCCCGGGAC
CGCGGTGGCGCCGAGGCAGCCTGCGTTTGAAGAGTCTCTTACAGAGCCCTCAGAGCCC
CTCCCTGAGGAGTCCAAACCTGTGGAGATGCCCTTCCACCACTGCCACAGGGACCCCTT
CCGCCCGCGGCCTTACCCTGAGAGGCTGCATGCACGGAGGCAGCTATATGCTGCCTGT
GCCGTTTGTCTTTCATGGCTGGGGAGGTGGTCCGCGGGTATCTGGCACACAGCCTG
GCCATCATGACCGATGCAGCCCACTTGTGGCGGATGTGGGCAGCATGATGGGCAGCCTC
TTCTCCCTCTGGCTCTCCACCCGTCAGCCACCCGCACCATGACCTTTGGCTGGCACCGT
TCAGAGACTCTGGGGCTTTGGCCTCTGTGGTCTCCCTCTGGATGGTCACTGGCATCCTC
CTGTACCTGGCCTTCGTCCGCTGCTGCACAGCGACTACCACATCGAGGGGGGTGCCATG
CTGCTGACCGCCAGCATCGCAGTCTGTGCAACCTGTTAATGGCCTTTGTGCTGCACCAG
GCTGGGCCCCCACCAGCCACGGGTCTAGGGGAGCAGAGTATGCACCGCTGGAGGAGGGG
CCTGAAGAGCCCCCTGCCCTGGGGAACACCAGCGTCCGGGCGGCATTTGTGCACGTGCTG
GGGGACCTCCTGCAGAGCTTTGGGGTACTGGCTGCCTCCATCCTCATCTACTTCAAGCCT
CAATAAAGGCAGCCGACCCCATCAGCACCTTCTTCTTCCATCTGTGCCCTTGGATCC
ACCGTCCCACCCTCCGAGACGTTCTTGAATCCTCATGGAAGGTACCCCGCAATGTG
GGGTTCGAACCTGTGCGGATACGCTGTTGTGCGTGCCAGGAGTCCGGGCAACCCATGAG
CTGCACCTGTGGCCCTTACGCTCACTTACCATGTTGCCTCTGCACACCTGGCCATCGAC
TCCACCGCTGACCTGAAGCCGTCTGGCTGAAGCCTCATCCCGCTCTACTCCCGGTTT
GGATTCTCCAGTGCACCTGCAGGTCGAGCAGTATCAGCCGGAGATGGCCAGTGCCTG
CGCTGCCAGGAACCCCCCAAGCCTGA

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Clone variation with respect to NM\_003459.4



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_003459 unedited TCATTCGCCCGCCGTTGCCGCATAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATATAA GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCG CGAATTCGGCACGAGGCGCTCCACTCTGGTGGCCCCGCCCTGCGGGGATCCCGGGG TCGGCGGGCTGCTCGGACTTGGCGGGGGCCGGCCCGCCTCTCTTCTCGGTGGGGC CTAGACGGTCGGGGCACCGGGAACATGGAGCCCTCTCCAGCCGCTGGGGGCTTGAGACC ACTCGCTGGTGAGCCCCCGGGACCGCGGTGGCGCCGGAGGCAGCCTGCGTTTGAAGAGT CTCTTCACAGAGCCCTCAGAGCCCTCCCTGAGGAGTCCAAACCTGTGGAGATGCCCTTC CACCCTGCCACAGGGACCCCTTCCGCGCGGGCCTTACCCCTGAGAGGCTGCATGCA CGGAGGCAGTATATGCTGCCTGTGCCGTTTGTCTTTCATGGCTGGGGAGGTGGTC GGCGGGTATCTGGCACACAGCCTGGCCATCATGACCGATGCAGCCACTTGCTGGCGGAT GTGGGCAGCATGATGGGCAGCCTCTTCTCCCTCTGGCTCTCCACCGTCCAGCCACCCGC ACCATGACCTTTGGCTGGCACCGTTTCAGAGACTCTGGGGCTNTGGCCTCTGTGGTCTCC CTCTGGATGGTCACTGGCATCCTCCTGTACCTGGCCTTCGTNCGCCTGCTGCACAGCGAC TACCCATCGAGGGGGTGCATGCTGCTGACCGNCACATCGAGTCTGTGCCACCTGNNT ATGGCCTTGTGCTGCACAGGCTGNNCCCCCAGCCACGGTCTAGGGGAGCANATATGCA CGCTGGAGAAGGGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003459
<b>Insert Size:</b>	3600 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>	<a href="#">NM_003459.4</a> , <a href="#">NP_003450.2</a>
<b>RefSeq Size:</b>	2108 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	7781
<b>UniProt ID:</b>	<a href="#">Q99726</a>
<b>Cytogenetics:</b>	2p23.3
<b>Domains:</b>	Cation_efflux
<b>Protein Families:</b>	Secreted Protein, Transmembrane

**Gene Summary:** Involved in accumulation of zinc in synaptic vesicles.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longest isoform (a).