

## Product datasheet for **SC302960**

### Noradrenaline transporter (SLC6A2) (NM\_001043) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Noradrenaline transporter (SLC6A2) (NM_001043) Human Untagged Clone
Tag:	Tag Free
Symbol:	Noradrenaline transporter
Synonyms:	NAT1; NET; NET1; SLC6A5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001043 edited  
 CCAGGACCCGTAAGTTCCTCTCGCCAGCCGCATCCATGCTTCTGGCGCGGATGAACCCG  
 CAGGTGCAGCCCGAGAACAACGGGGCGGACACGGGTCCAGAGCAGCCCTTCGGGCGCGC  
 AAAACTGCGGAGCTGCTGGTGGTGAAGGAGCGCAACGGCGTCCAGTGCCTGCTGGCGCCC  
 CGCGACGGCGACGCGCAGCCCCGGGAGACCTGGGGCAAGAAGATCGACTTCTGCTGTCC  
 GTAGTCGGCTTCGCAGTGGACCTGGCCAACGTGTGGCGCTTCCCCTACCTCTGCTACAAG  
 AACGGCGGCGGTGCCTTCTTGATCCCCTACACACTGTTCCCTTATCATCGCGGGGATGCC  
 CTGTTCTACATGGAGCTGGCTCTGGGACAGTACAACCGGAGGGGGCTGCCACCGTTTGG  
 AAAATCTGCCATTCTTCAAAGGCGTTGGCTATGCTGTATCCTGATCGCCCTGTACGTT  
 GGCTTCTACTACAACGTATCATCGCCTGGTCACTCTACTACCTTCTCCTCCTCACC  
 CTCAACCTGCCCTGGACCGACTGTGGCCACACCTGGAACAGCCCCAACTGTACCGACCCC  
 AAGCTCCTCAATGGCTCCGTGCTTGGCAACCACACCAAGTACTCCAAGTACAAGTTCAG  
 CCGGCAGCCGAGTTTTATGAGCGTGGTGTCTGCACCTTACGAGAGCAGCGGGATTTCAT  
 GACATCGCCTGCCCCAGTGGCAGCTTGTCTGTCTGATGGTGTGTCATCGTCTTG  
 TATTTTAGCCTCTGAAAGGGGTGAAGACATCAGGAAAGGTGGTGTGGATCACAGCCACG  
 CTGCCTTACTTCGTGCTGTTCTGTCTCCTGGTCCATGGCGTCACGCTGCCCGGAGCTCC  
 AATGGCATCAATGCCTACCTGCACATCGACTTCTACCGCTTAAAAGAGGCCACCGGTATGG  
 ATTGATGCCGCAACTCAGATATTTTTTCTTGGGGGCTGGATTTGGAGTATTGATTGCA  
 TTTGCCAGTTACAACAAATTTGACAACAACTGTTACAGGGATGCCCTGCTGACCAGCAGC  
 ATCAACTGTATCACCAGCTTCGTCTCTGGGTTCGCCATCTTCTCCATCCTTGGTTACATG  
 GCCCATGAACACAAGGTCAACATTGAGGATGTGGCCACAGAAGGAGCTGGCCTAGTGTT  
 ATCCTGTATCCAGAGGCCATTTCTACCCTGTCTGGATCTACATTTCTGGGTGTTGTGTTT  
 TTCGTATGCTCCTGGCGCTGGCCTTGACAGCTCAATGGGAGGCATGGAGGCTGTCATC  
 ACGGGCCTGGCAGATGACTTCCAGTCTGAAGCGACACCGGAAACTCTTACATTTGGC  
 GTCACCTTCAGCACTTCTCCTTCGCCCCTGTTCTGCATAACCAAGGGTGAATTTACGTC  
 TTGACCCTCCTGGACACCTTTGCTGCGGGCACCTCCATCCTTTTTGCTGTCCTCATGGAA  
 GCCATCGGAGTTTCTGGTTTTATGGAGTGGACAGGTTACGCAACGACATCCAGCAGATG  
 ATGGGGTTCAGGCCGGTCTATACTGGAGACTGTGCTGGAAGTTCGTAGTCTGCCTTC  
 CTCCTGTTGTTGGTGTGGTTCAGCATCATCAACTCAAGCCACTCACCTACGACGACTAC  
 ATCTTCCC GCCCTGGGCCAACTGGGTGGGGTGGGGCATCGCCCTGCTCCTCATGGTCTG  
 GTGCCATCTACGTCATCTATAAGTTCTCAGCACGCAGGGCTCTTTTGGGAGAGACTG  
 GCCTATGGCATACGCCAGAGAACGAGCACCTGGTGGCTCAGAGGGACATCAGACAG  
 TTCCAGTTGCAACACTGGCTGGCCATCTGAGCCTGCCTGGAGGAGAAGGAGGAACCCCA  
 TGCCAATGTCCAGGTCACAGGCATC

- Restriction Sites:** Please inquire
- ACCN:** NM\_001043
- Insert Size:** 1900 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_001043.2.
- 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\\_001043.2](#), [NP\\_001034.1](#)

**RefSeq Size:** 3347 bp

**RefSeq ORF:** 1854 bp

**Locus ID:** 6530

**UniProt ID:** [P23975](#)

**Cytogenetics:** 16q12.2

**Domains:** SNF

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a member of the sodium:neurotransmitter symporter family. This member is a multi-pass membrane protein, which is responsible for reuptake of norepinephrine into presynaptic nerve terminals and is a regulator of norepinephrine homeostasis. Mutations in this gene cause orthostatic intolerance, a syndrome characterized by lightheadedness, fatigue, altered mentation and syncope. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Feb 2010]  
Transcript Variant: This variant (3) has an alternate 3' exon including the coding region, as compared to variant 1. The resulting isoform (2) is shorter and has a different C-terminus, as compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.