

Product datasheet for **SC329006**

Noradrenaline transporter (SLC6A2) (NM_001172504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noradrenaline transporter (SLC6A2) (NM_001172504) Human Untagged Clone
Tag:	Tag Free
Symbol:	Noradrenaline transporter
Synonyms:	NAT1; NET; NET1; SLC6A5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001172504 edited
 CCAGGACCCGGTAAAGTTCCTCTCGCCAGCCGCATCCATGCTTCTGGCGCGGATGAACCCG
 CAGGTGCAGCCCGAGAACAACGGGGCGGACACGGGTCCAGAGCAGCCCTTCGGGCGCGC
 AAAACTGCGGAGCTGCTGGTGGTGAAGGAGCGCAACGGCGTCCAGTGCCTGCTGGCGCCC
 CGCGACGGCGACGCGCAGCCCCGGGAGACCTGGGGCAAGAAGATCGACTTCTGCTGTCC
 GTAGTCGGCTTCGCAGTGGACCTGGCCAACGTGTGGCGCTTCCCCTACCTCTGCTACAAG
 AACGGCGGGGTGCCTTCTTGATCCCCTACACACTGTTCCCTTATCATCGCGGGGATGCC
 CTGTTCTACATGGAGCTGGCTCTGGGACAGTACAACCGGAGGGGGCTGCCACCGTTTGG
 AAAATCTGCCATTCTTCAAAGGCGTTGGCTATGCTGTATCCTGATCGCCCTGTACGTT
 GGCTTCTACTACAACGTATCATCGCCTGGTCACTCTACTACCTTCTCCTCCTCACC
 CTCAACCTGCCCTGGACCGACTGTGGCCACACCTGGAACAGCCCCAACTGTACCGACCCC
 AAGCTCCTCAATGGCTCCGTGCTTGGCAACCACACCAAGTACTCCAAGTACAAGTTCAG
 CCGGCAGCCGAGTTTTATGAGCGTGGTGTCTGCACCTTACGAGAGCAGCGGGATTTCAT
 GACATCGCCTGCCCCAGTGGCAGCTTGTCTGTCTGATGGTGTGTCATCGTCTTG
 TATTTTAGCCTCTGAAAGGGGTGAAGACATCAGGAAAGTGGTGTGGATCACAGCCACG
 CTGCCTTACTTCGTGCTGTTCTGTCTCCTGGTCCATGGCGTCACGCTGCCCGGAGCTCC
 AATGGCATCAATGCCTACCTGCACATCGACTTCTACCGCTTAAAAGAGGCCACGGTATGG
 ATTGATGCCGCAACTCAGATATTTTTTCTTGGGGGCTGGATTTGGAGTATTGATTGCA
 TTTGCCAGTTACAACAAATTTGACAACAACTGTTACAGGGATGCCCTGCTGACCAGCAGC
 ATCAACTGTATCACCAGCTTCGTCTCTGGGTTCGCCATCTTCTCCATCCTTGGTTACATG
 GCCCATGAACACAAGGTCAACATTGAGGATGTGGCCACAGAAGGAGCTGGCCTAGTGTT
 ATCCTGTATCCAGAGGCCATTTCTACCCTGTCTGGATCTACATTCTGGGCTGTTGTGTT
 TTCGTATGCTCCTGGCGCTGGCCTTGACAGCTCAATGGGAGGCATGGAGGCTGTCATC
 ACGGGCCTGGCAGATGACTTCCAGTCCGAAGCGACACCGGAAACTCTTACATTTGGC
 GTCACCTTCAGCACTTCTCCTCTCGCCCTGTTCTGCATAACCAAGGGTGAATTTACGTC
 TTGACCCTCCTGGACACCTTTGCTGCGGGCACCTCCATCCTTTTTGCTGTCCTCATGGAA
 GCCATCGGAGTTTCTGGTTTTATGGAGTGGACAGGTTTACGCAACGACATCCAGCAGATG
 ATGGGGTTCAGGCCGGGTCTATACTGGAGACTGTGCTGGAAGTTCGTAGTCTGCTCCTC
 CTCCTGTTGCTGGTTGTGGTTCAGCATCATCAACTCAAGCCACTCACCTACGACGACTAC
 ATCTTCCC GCCCTGGGCCAACTGGGTGGGGTGGGGCATCGCCCTGCTCCTCATGGTCTG
 GTGCCATCTACGTCATCTATAAGTTCTCAGCACGCAGGGCTCTTTTGGGAGAGACTG
 GCCTATGGCATACGCCAGAGAACGAGCACCTGGTGGCTCAGAGGGACATCAGACAG
 TTCCAGATGAAAACGAGACAAGGAGAAGGAGAGCTACCAACTCTTGCCAGATATCTGCT
 TGA

- Restriction Sites:** Please inquire
- ACCN:** NM_001172504
- 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_001172504.1.
- 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_001172504.1 , NP_001165975.1
RefSeq Size:	2858 bp
RefSeq ORF:	1887 bp
Locus ID:	6530
UniProt ID:	P23975
Cytogenetics:	16q12.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>