

Product datasheet for **SC328845**

Noradrenaline transporter (SLC6A2) (NM_001172502) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Noradrenaline transporter (SLC6A2) (NM_001172502) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A2
Synonyms:	NAT1; NET; NET1; SLC6A5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

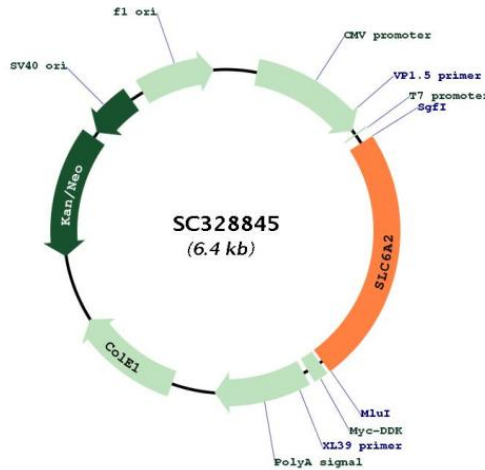
Fully Sequenced ORF: >SC328845 representing NM_001172502.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGTGCAGTGGTGGAGCCACACCAAGGAGAGGTGGCTGTGGGGCTGGGCCTGGGAGACTCCTAC
CTTACCCCTGTCCCTGCCAGGCGTTGGCTATGCTGTATCCTGATCGCCCTGTACGTTGGCTTCTAC
TACAACGTCATCATCGCCTGGTCACTCTACTACCTCTTCTCCTCCTTACCCTCAACCTGCCCTGGACC
GACTGTGGCCACACCTGGAACAGCCCAACTGTACCGACCCCAAGCTCCTCAATGGCTCCGTGCTTGGC
AACACACCAAGTACTCCAAGTACAAGTTCACGCCGCGAGCCGAGTTTTATGAGCGTGGTGTCTGCAC
CTTACAGAGAGCAGCGGATTTCATGACATCGGCCCTGCCCAGTGGCAGCTCTTGTCTGTCTGATGGTC
GTCGTATCGTCTTGTATTTTAGCCTCTGGAAAGGGGTGAAGACATCAGGAAAGTGGTGTGGATCACA
GCCACGCTGCCTACTTCGTGCTGTTCTGTCTCCTGGTCCATGGCGTCACGCTGCCCGGAGCCTCCAAT
GGCATCAATGCCTACCTGCATCGACTTCTACCGCTTGAAGAGGCCACGGTATGGATTGATGCCGCA
ACTCAGATATTTTTTCTGGGGCTGGATTTGGAGATTGATTGCATTTGCCAGTTACAACAATTT
GACAACAAGTGTACAGGGATGCCCTGTGACCAGCAGCATCAACTGTATCACCAGCTTCGTCTCTGGG
TTGCCATCTTCTCCATCCTTGGTTACATGGCCATGAACACAAGGTCAACATTGAGGATGTGGCCACA
GAAGGAGCTGGCCTAGTGTTCATCCTGTATCCAGAGGCCATTTCTACCCTGTCTGGATCTACATTCTGG
GCTGTTGTGTTTTTCGTATGCTCCTGGCGCTGGGCCTTGACAGCTCAATGGGAGGCATGGAGGCTGTC
ATCAGGGCCTGGCAGATGACTTCCAGTCTTGAAGCGACACCGGAAACTCTTACATTTGGCGTCACC
TTCAGCACTTCTCTCGCCCTGTTCTGCATAACCAAGGGTGAATTTACGCTTGGACCTCCTGGAC
ACCTTTGCTGCGGCACCTCCATCCTTTTTGCTGTCTCATGGAAGCCATCGGAGTTTCTGGTTTTAT
GGAGTGGACAGTTTCAGCAACGACATCCAGCAGATGATGGGTTTCAGGCCGGTCTATACTGGAGACTG
TGCTGGAAGTTCGTGAGTCTGCCTTCTCCTGTTCTGTGTTTGGTGTGAGTATCAACTCAAGCCA
CTCACCTACGACGACTACATCTTCCCGCCTGGGCCAACTGGGTGGGTGGGCATCGCCCTGTCTCC
ATGGTCTGTGGCCATCTACGTATCTATAAGTTCCTCAGCACGAGGGCTCTCTTTGGGAGAGACTG
GCCTATGGCATCAGCCAGAGAACGAGCACCACCTGGTGGCTCAGAGGGACATCAGACAGTTCCAGTTG
CAACACTGGCTGGCCATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001172502

Insert Size:	1539 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001172502.1
RefSeq Size:	3157 bp
RefSeq ORF:	1539 bp
Locus ID:	6530
UniProt ID:	P23975
Cytogenetics:	16q12.2
Protein Families:	Druggable Genome, Transmembrane
MW:	57.4 kDa
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 (4) has alternate 5' and 3' sequences including the 5' and 3' coding regions, as compared to variant 1. The resulting isoform (3) is shorter and has different N- and C-termini, 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.</p>