

Product datasheet for **SC122742**

Neurotensin (NTS) (NM_006183) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurotensin (NTS) (NM_006183) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurotensin
Synonyms:	NMN-125; NN; NT; NT/N; NTS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006183 edited
 GGGGAGTTCACCTCACTTTCAAAGCCAGCTGAAGGAAAGAGGAAGTCTAGAGAGAGCCCC
 CTCAGTGTGCTTCTGACTTTTACGGACTTGGCTTGTAGAAAGGCTGAAAGATGATGGCA
 GGAATGAAAATCCAGCTTGTATGCATGCTACTCCTGGCTTTTCAGCTCCTGGAGTCTGTGC
 TCAGATTGAGAAAGGAAATGAAAGCATTAGAAGCAGATTTCTTGACCAATATGCATACA
 TCAAAGATTAGTAAAGCACATGTTCCCTCTTGAAGATGACTCTGCTAAATGTTTGCAGT
 CTTGTAATAAATTTGAACAGCCAGCTGAGGAAACAGGAGAAGTTCATGAAGAGGAGCTT
 GTTGCAAGAAGGAAACTTCTACTGCTTTAGATGGCTTTAGCTTGAAGCAATGTTGACA
 ATATACCAGCTCCACAAAATCTGTCACAGCAGGGCTTTTCAACACTGGGAGTTAATCCAG
 GAAGATATTCTTGATACTGGAAATGACAAAATGGAAAGGAAGAAGTCATAAAGAGAAAA
 ATTCCTTATATTCTGAAACGGCAGCTGTATGAGAATAAACCCAGAAGACCCTACATACTC
 AAAAGAGATTCTACTATTACTGAGAGAATAAATCATTTATTTACATGTGATTGTGATTC
 ATCATCCCTTAATTAATATCAAATTATATTTGTGTGAAAATGTGACAAACACACTTATC
 TGTCTCTTCTACAATTGTGGTTTATTGAATGTGATTTTTCTGCACTAATAAATTAGAC
 TAAGTGTTTTCAAATAAATCTAAATCTTCAGCATGATGTGTTGTGTATAATTGGAGTAGA
 TATTAATTAAGTACCTGTATAATGTTTGTAAATTTGCAAAAACATATCTTGAGTTGTTT
 AAACAGTCAAAAATGTTTGATATTTTATACCAGCTTATGAGCTCAAAGTACTACAGCAAAG
 CCTAGCCTGCATATCATTCAACAAAACAAAGTAATAGCGCCTCTTTTATATTTTGACT
 GAATGTTTATGGAATTGAAAGAACATACGTTCTTTTCAAGACTTCTCATGAATCTCT
 CAATTATAGGAAAAGTTATTGTGATAAAAATAGGAACAGCTGAAAGATTGATTAATGAAC
 ATTGTTAATTCCTCTATTTTAAATGAATGACATTGAACTGAATTTTTTGTCTGTTAAATG
 AACTTGATAGCTAATAAAAAGACAACACTAGCCACCAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006183 unedited NGTTCCGGATTTGTAATACGACTGCACTATAGGGCGGCCGCGGATTCGGCCATTACGGCCG GGGAGTTCACTCACTTTCAAAGCCAGCTGAAGGAAAGAGGAAGTGCTAGAGAGAGCCCC TTCAGTGTGCTTCTGACTTTTACGGACTTGGCTTGTAGAAAGGCTGAAAGATGATGGCAG GAATGAAAATCCAGCTTGTGTGCATGCTACTCCTGGCTTTCAGCTCCTGGGAGTCTGTGC TCAGATTCAGAAGAGGAAATGAAAGCATTAGAAGCAGATTTCTTGACCAATATGCATACA TCAAAGATTAGTAAAGCACATGTTCCCTCTTGGAAAGATGACTCTGCTAAATGTTTGCAGT CTTGTAATAAATTTGAACAGCCCAGCTGAGGAAACAGGAGAAGTTCATGAAGAGGAGCTT GTTGCAAGAAGGAACTTCTACTGCTTTAGATGGCTTTAGCTTGAAGCAATGTTGACA ATATACCAGCTCCACAAAATCTGTACAGCAGGGCTTTTCAACACTGGGAGTTAATCCAG GAAGATATTCTTGATACTGGAAATGACAAAAATGGAAAGGAAGAAGTCATAAAGAGAAAA ATTCCTTATATTCTGAAACGGCAGCTGTATGAGAATAAACCCAGAAGACCCTACATACTC AAAAGAGATTCTACTATTACTGAGAGAATAAATCATTTATTTACATGTGATTGTGATTC ATCATCCCTTAATTAATATCANATTATATTTGTGTGAGAATGTGACANACACACTTATC TGTGCTCTACATTGTGGTTTATTGAATGTGAGTTTTCTGCCCTAATATAATAGACTAA GTGTTTTCAAATAATCTAAATCTCGCATGATGTGTTGGTATAATTGGGTAGATATAATTA GTCACTGTATATGGGTTGGA
Restriction Sites:	Please inquire
ACCN:	NM_006183
Insert Size:	1264 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).
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_006183.2 , NP_006174.1
RefSeq Size:	838 bp
RefSeq ORF:	513 bp
Locus ID:	4922
UniProt ID:	P30990
Cytogenetics:	12q21.31
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

This gene encodes a common precursor for two peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is widely distributed throughout the central nervous system, and may function as a neurotransmitter or a neuromodulator. It may be involved in dopamine-associated pathophysiological events, in the maintenance of gut structure and function, and in the regulation of fat metabolism. Neurotensin also exhibits antimicrobial activity against bacteria and fungi. Tissue-specific processing may lead to the formation in some tissues of larger forms of neuromedin N and neurotensin. The large forms may represent more stable peptides that are also biologically active. [provided by RefSeq, Oct 2014]