

## Product datasheet for **SC313374**

### Neurotensin Receptor 1 (NTSR1) (NM\_002531) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Neurotensin Receptor 1 (NTSR1) (NM_002531) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurotensin Receptor 1
Synonyms:	NTR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_002531 edited  
 ATGCGCCTCAACAGCTCCGCGCCGGGAACCCCGGCACGCCGCGCCGACCCCTTCCAG  
 CGGGCGCAGGCCGGACTGGAGGAGGCGCTGCTGGCCCCGGGCTTCGGCAACGCTTCGGGC  
 AACCGCTCGGAGCGCTCCTGGCGGCACCCAGCAGCGAGCTGGACGTGAACACCGACATC  
 TACTCCAAAGTGCTGGTGACCGCGTGTACCTGGCGCTCTTCGTGGTGGGCACGGTGGGC  
 AACACGGTGACGGCGTTACGCTGGCGCGGAAGAAGTCGCTGCAGAGCCTGCAGAGCAG  
 GTGCATTACCACCTGGGCAGCCTGGCGCTGTCCGACCTGCTCACCTGCTGCTGGCCATG  
 CCCGTGGAGCTGTACAATTCATCTGGGTGCACCACCCCTGGGCCTTCGGCGACGCCGGC  
 TGCCGCGGCTACTACTTCTGCGCGACGCTGCACCTACGCCACGGCCCTCAACGTGGCC  
 AGCCTGAGTGTGGAGCGTACCTGGCCATCTGCCACCCCTCAAGGCCAAGACCCTCATG  
 TCCCGAAGCCGCACCAAGAAGTTCATCAGCGCCATCTGGCTCGCCTCGGCCCTGTGGCG  
 GTGCCTATGCTGTTACCATGGGCGAGCAGAACCAGCAGCGCCGACGGCCAGCAGCCGGC  
 GGCTGGTGTGCACCCCAACATCCACACTGCCACCGTCAAGGTGTCATACAGGTCAAC  
 ACCTTCATGTCCTTCATATTCCCCATGGTGGTCATCTCGGTCTGAACACCATCATCGCC  
 AACAAGCTGACCGTCATGGTACGCCAGGCGGCCGAGCAGGGCCAAGTGTGCACGGTGGG  
 GGCGAGCACAGCACATTCAGCATGGCCATCGAGCCTGGCAGGGTCCAGGCCCTGCGGCAC  
 GGCGTGCAGCTCCTACGTGCAGTGGTCATCGCCTTTGGTCTGCTGGTGCCTACCAC  
 TTCTACCACTACTTCTACATGGTGACCAACGCACCTTTCTACGTACGTCCACCATCAAC  
 CCATCCTGTACAACCTGTCTCTGCAACTTCCGCCACATCTTCTGGCCACACTGGCC  
 TGCCCTCTGCCCGGTGTGGCGGCGCAGGAGGAAGAGGCCAGCCTTCTCGAGGAAGGCCGAC  
 AGCGTGTCCAGCAACCACACCCTCTCCAGCAATGCCACCCGCGAGACGCTGTACTAG

Restriction Sites:	Please inquire
ACCN:	NM_002531
Insert Size:	1800 bp



[View online »](#)

<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>OTI Annotation:</b>	This clone has been fully sequenced and found one SNP within the protein associated with this reference, NM_002531.1.
<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>	<u><a href="#">NM_002531.1</a></u> , <u><a href="#">NP_002522.1</a></u>
<b>RefSeq Size:</b>	4131 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	4923
<b>UniProt ID:</b>	<u><a href="#">P30989</a></u>
<b>Cytogenetics:</b>	20q13.33
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	Neurotensin receptor 1 belongs to the large superfamily of G-protein coupled receptors. NTSR1 mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. [provided by RefSeq, Jul 2008]