

Product datasheet for **SC115397**

Neurotensin Receptor 2 (NTR2) (NM_012344) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Neurotensin Receptor 2 (NTR2) (NM_012344) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Neurotensin Receptor 2 |
| Synonyms: | NTR2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_012344, the custom clone sequence may differ by one or more nucleotides |

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ATGGAACCAGCAGCCCCGCGCCCCCGCGGCCAGCTCCAACCCGGGGCTGAGCCTGGACGCCCGGCTGG
GCGTGGACACTCGCCTCTGGGCCAAGGTGCTGTTACCGCGCTCTACGCACTCATCTGGCGCTGGGCGC
GGCGGGCAATGCGCTGTCCGTGCACGTGGTGTGAAGGCGCGGGCCGGCGCGGGGGCGCCTGCCAC
CACGTGCTCAGCCTGGCCTCGCGGGCTGCTGCTGCTGGTGGCGTGCCTGAGCTCTACAGT
TCGTGTGGTCCACTACCCCTGGTCTTCGGCGACCTGGGCTGCCGCGGCTACTACTTCGTGCACGAGCT
GTGCGCCTACGCCACGGTGTGAGCGTGGCAGGCTGAGCGCCGAGCGCTGCCTAGCCGTGTGCCAGCCC
CTGCGTGCCCGCAGCCTGCTGACGCCACCGGACCCGTTGGTGGTGGCGCTCTCGTGGGCCCGCTCGC
TCGGCCTCGCCCTGCCCATGGCCGTATCATGGGGCAGAAGCAGCAACTCGAGACGGCGGACGGGGAGCC
GGAGCCCCGCTCGCGAGTGTGCACGGTGTGGTGGAGCCGACCGCGCTCCAAGTCTTTATCCAGGTGAAT
GTGCTGGTGTCTTCTGCTCCCCCTTGGCACTAACTGCTTTCTGAATGGGGTACAGTGAGCCACCTGC
TGGCCCTCTGCTCCCAAGTGCCGTCCACTTCTACCCCGGGCAGCTCCACCCCGAGCCGCTGGAGCTGT
GAGTGAGGAGGGTCTCCTCAGCTTATCGTATGGAAGAAGACCTTTATCCAGGGAGGCCAGGTGAGCCTG
GTGAGACATAAAGACGTGCGCCGGATCCGACGCTCCAGCGCAGCGTCCAGGTTCTCAGAGCCATCGTGG
TCATGTATGTATCTGCTGGCTGCCGTACCATGCCCGCAGGCTCATGTACTGCTACGTACCTGATGACGC
GTGGACTGACCCACTGTACAATTTCTACCACTACTTCTACATGGTGACCAACACACTTTTCTACGTGACG
TCAGCTGTGACTCCTTCTCTACAACGCGTGTCTCCTCCTCCTTTCAGAAAACCTTCTTGGAAAGCCGTC
GCTCCCTGTGTGGAGAGACACCCCATGAAGCGTTACCCCGAAGCCCGAGAGTCCACCCCTAATGGA
TACAGTTCAGGCTTTGGGGATCCCCAGAAACCCGGACCTGA
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Restriction Sites: Please inquire
ACCN: NM_012344



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| 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_012344.2 , NP_036476.1 |
| RefSeq Size: | 1700 bp |
| RefSeq ORF: | 1233 bp |
| Locus ID: | 23620 |
| UniProt ID: | O95665 |
| Cytogenetics: | 2p25.1 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways: | Neuroactive ligand-receptor interaction |
| Gene Summary: | The protein encoded by this gene belongs to the G protein-coupled receptor family that activate a phosphatidylinositol-calcium second messenger system. Binding and pharmacological studies demonstrate that this receptor binds neurotensin as well as several other ligands already described for neurotensin NT1 receptor. However, unlike NT1 receptor, this gene recognizes, with high affinity, levocabastine, a histamine H1 receptor antagonist previously shown to compete with neurotensin for low-affinity binding sites in brain. These activities suggest that this receptor may be of physiological importance and that a natural agonist for the receptor may exist. [provided by RefSeq, Jul 2008] |