

## Product datasheet for **SC303499**

### Neurturin (NRTN) (NM\_004558) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Neurturin (NRTN) (NM_004558) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurturin
Synonyms:	NTN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_004558 edited ATGCAGCGCTGGAAGGCGGCGCCTTGGCCTCAGTGCTCTGCAGCTCCGTGCTGCCATC TGGATGTGTCGAGAGGGCTGCTTCTCAGCCACCGCCTCGGACCTGCGCTGGTCCCCTG CACCGCCTGCCTCGAACCTGGACGCCCGATTGCCCGCTGGCCAGTACCGTGCACTC CTGCAGGGGGCCCGGATGCGATGGAGCTGCGCGAGCTGACGCCCTGGGCTGGGCGGCC CCAGGTCCGCGCGTGGGCGGGGCCCCGGCGGCGCGCGCTGCGCGTTGGGGCG CGGCTTGGGGCTGCGCGAGCTGGAGGTGCGCGTGGAGGAGCTGGGCTGGGCTACGCG TCCGACGAGACGGTGCTGTTCCGCTACTGCGCAGGCGCCTGCGAGGCTGCCGCGCGCTC TACGACCTCGGGCTGCGACGACTGCGCCAGCGGCGGCCTGCGGCGGGAGCGGGTGC GCGCAGCCCTGCTGCCGCCGACGGCTACGAGGACGAGGTGTCCTTCTGGACGCGCAC AGCGGCTACCACACGGTGACGAGCTGTCGGCGCGGAGTGCGCCTGCGTGTGA
Restriction Sites:	Please inquire
ACCN:	NM_004558
Insert Size:	600 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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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).



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**Reconstitution Method:**

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\\_004558.2](#), [NP\\_004549.1](#)

**RefSeq Size:** 1159 bp

**RefSeq ORF:** 594 bp

**Locus ID:** 4902

**UniProt ID:** [Q99748](#)

**Cytogenetics:** 19p13.3

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein signals through the RET receptor tyrosine kinase and a GPI-linked coreceptor, and promotes survival of neuronal populations. A neurturin mutation has been described in a family with Hirschsprung Disease. [provided by RefSeq, Aug 2016]