

Product datasheet for **SC303212**

Neurotrophin 3 (NTF3) (NM_002527) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurotrophin 3 (NTF3) (NM_002527) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurotrophin 3
Synonyms:	HDNF; NGF-2; NGF2; NT-3; NT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002527 edited
TGCCAGAATAACACAGACTCAGCTGCCAGAGCCTGCTCTTAACACCTGTGTTTCCTTTTC
AGATCTTACAGGTGAACAAGGTGATGTCCATCTTGTTTTATGTGATATTTCTCGTTATC
TCCGTGGCATCCAAGGTAACAACATGGATCAAAGGAGTTTGCCAGAAGACTCGCTCAATT
CCCTCATTATTAAGCTGATCCAGGCAGATATTTTGAAAAACAAGCTCTCCAAGCAGATGG
TGGACGTTAAGGAAAATTACCAGAGCACCTGCCCAAAGCTGAGGCTCCCCGAGAGCCGG
AGCGGGGAGGGCCCGCAAGTCAGCATTCCAGCCGGTGATTGCAATGGACACCGAACTGC
TGCGACAACAGAGACGCTACAACCTACCGCGGGTCTGCTGAGCGACAGCACCCCTTGG
AGCCCCGCCCTTGATCTCATGGAGGATTACGTGGGCAGCCCCGTGGTGGCGAACAGAA
CATCACGGCGAAACGGTACGCGGAGCATAAGAGTCACCGAGGGGAGTACTCGGTATGTG
ACAGTGAGAGTCTGTGGGTGACCGACAAGTCATCGGCCATCGACATTCGGGGACACCAGG
TCACGGTGCTGGGGGAGATCAAAACGGGCAACTCTCCCGTCAAACAATATTTTTATGAAA
CGCGATGTAAGGAAGCCAGGCCGGTCAAAAACGGTTGCAGGGGATTGATGATAAACT
GGAACCTCTCAGTGCAAAACATCCAAAACCTACGTCGAGCACTGACTTCAGAGAACAAATA
AACTCGTGGGCTGGCGGTGGATACGGATAGACACGTCCTGTGTGTGCCTTGTGCGAGAA
AAATCGGAAGAACATGAATTGGCATCTCTCCCATATATAAATTACTTTAAATTATA
TGATATGCATGTAGCATATAAATGTTTATATTGTTTTATATATTATAAGTTGACCTTTA
TTTATTAACCTCAGCAACCCTACAGTATATAAGCTTTTTTCTCAATAAAATCAGTGTGC
TTGCCTTC

Restriction Sites:	Please inquire
ACCN:	NM_002527
Insert Size:	1000 bp



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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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002527.3.
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_002527.3 , NP_002518.1
RefSeq Size:	1204 bp
RefSeq ORF:	774 bp
Locus ID:	4908
UniProt ID:	P20783
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	MAPK signaling pathway, Neurotrophin signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a member of the neurotrophin family, that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NTF3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has an alternate 5' sequence and uses a downstream AUG start codon, as compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1.</p>