

Product datasheet for **SC115350**

Neurokinin B (TAC3) (NM_013251) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurokinin B (TAC3) (NM_013251) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neurokinin B
Synonyms:	HH10; LncZBTB39; NK3; NKB; NKNB; PRO1155; ZNEUROK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_013251 edited ATGAGGATCATGCTGCTATTACAGCCATCCTGGCCTTCAGCTAGCTCAGAGCTTTGGG GCTGTCTGTAAGGAGCCACAGGAGGAGGTGGTTCTGGCGGGGCGCAGCAAGAGGGAT CCAGATCTCTACCAGCTGCTCCAGAGACTTTCAAAGCCACTCATCTCTGGAGGGATTG CTCAAAGCCCTGAGCCAGGCTAGCACAGATCCTAAGGAATCAACATCTCCCGAGAAACGT GACATGCATGACTTCTTTGTGGGACTTATGGGCAAGAGGAGCGTCCAGCCAGACTCTCT ACGGATGTGAATCAAGAGAACGTCCCCAGCTTTGGCATCCTCAAGTATCCCCGAGAGCA GAATAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_013251 unedited CACCAGCTCCACTCGTTTTCTCTTTTGCAGGAGCACCGCAGCACCAGTGTGTAGGGG AGCAGGCAGCGGTCTAGCCAGTTCCTTGATCCTGCCAGACCACCCAGCCCCGGCACAG AGCTGCTCCACAGGCACCATGAGGATCATGCTGCTATTACAGCCATCCTGGCCTTCAGC CTAGCTCAGAGCTTTGGGGCTGTCTGTAAGGAGCCACAGGAGGAGGTGGTTCTGGCGGG GGCCGAGCAAGAGGGATCCAGATCTCTACCAGCTGCTCCAGAGACTTTCAAAGCCAC TCATCTCTGGAGGGATTGCTCAAAGCCCTGAGCCAGGCTAGCACAGATCCTAAGGAATCA ACATCTCCCGAGAAACGTGACATGCATGACTTCTTTGTGGGACTTATGGGCAAGAGGAGC GTCCAGCCAGACTCTCTACGGATGTGAATCAAGAGAACGTCCCCAGCTTTGGCATCCTC AAGTATCCCCGAGAGCAGAATAGTACTCCACTTCCGGACTCCTGGACTGCATTAGGAA GACCTCTTTCCCTGTCCAATCCCCAGGTGCGCACGCCTCCTGTTACCCTTTCTCTTCCC TGTTCTTGACATNTCTTGCTTTGACTCCTTCTCCATCTTTTCTACCTGACCCCTGGT TGGAACTGCATAGTGAATATCCCCAACCCCAATGGGCATTGACTGTAGAATACCCTAGA GTTCTGTAGTGTCTACATTAATAATAATGTCTCTCTATT
Restriction Sites:	NotI-NotI
ACCN:	NM_013251



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Insert Size:	900 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:	<u>NM_013251.2</u> , <u>NP_037383.1</u>
RefSeq Size:	832 bp
RefSeq ORF:	366 bp
Locus ID:	6866
UniProt ID:	<u>Q9UHF0</u>
Cytogenetics:	12q13.3
Domains:	Neurokinin_B
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>This gene encodes a member of the tachykinin family of secreted neuropeptides. The encoded preproprotein is proteolytically processed to generate the mature peptide, which is primarily expressed in the central and peripheral nervous systems and functions as a neurotransmitter. This peptide is the ligand for the neurokinin-3 receptor. This protein is also expressed in the outer syncytiotrophoblast of the placenta and may be associated with pregnancy-induced hypertension and pre-eclampsia. Mutations in this gene are associated with normosmic hypogonadotropic hypogonadism. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>