

Product datasheet for **SC311206**

Neuropeptide S (NPS) (NM_001030013) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuropeptide S (NPS) (NM_001030013) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuropeptide S
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001030013 edited GGAAGTCCAAAATGATTAGCTCAGTAAACTCAATCTCATCCTAGTTCTGTGCGTGCCCA CAATGCATGTGTTTTGGTGTATCCAGTCCATCTTCTAAGGTGTCTGGAAAATCTGATT ACTTTCTATTCTGCTGAACAGCTGCCCAACCAGATTGGACAGGAGCAAAGAACTAGCTT TTCTAAAGCCAATTTTGGAGAAGATGTTTGTGAAAAGGTCTTTTCGCAATGGAGTTGGCA CAGGGATGAAAAAACTTCCTTTCAAAGAGCAAATCATGA
Restriction Sites:	Please inquire
ACCN:	NM_001030013
Insert Size:	300 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_001030013.1.
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_001030013.1](#), [NP_001025184.1](#)

RefSeq Size: 322 bp

RefSeq ORF: 270 bp

Locus ID: 594857

UniProt ID: [P0C0P6](#)

Cytogenetics: 10q26.2

Protein Families: Secreted Protein

Gene Summary: Modulates arousal and anxiety. May play an important anorexigenic role (By similarity). Binds to its receptor NPSR1 with nanomolar affinity to increase intracellular calcium concentrations (PubMed:15312648, PubMed:16790440).[UniProtKB/Swiss-Prot Function]