

Product datasheet for **SC316664**

NPW (NM_001099456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPW (NM_001099456) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPW
Synonyms:	L8; L8C; PPL8; PPNPW
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001099456, the custom clone sequence may differ by one or more nucleotides

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CTGGCGTGGCGCCAGGGGAGCGGGGGCTCCCGCAGCCGCGCGGCTGGCACTGCTGCTTCTGC  
TCCTGCTGCCGCTGCCCTCCGGCGCTGGTACAAGCACGTGGCGAGTCCCGCTACCACACGGTGGGCCG  
CGCCGCTGGCCTGCTCATGGGGCTGCGTCGCTCACCTATCTGTGGCGCCGCGCTGCGCGCGCCGCC  
GGGCCCTGGCCAGGGACACCCTCTCCCCGAACCCGACCCCGAGGGCTCCTCTCCTGCTGCCCTCGT  
GGGTTCAGGAGCTGTGGGAGACGCGACGACGAGGCTCCAGGCAGGGATCCCGTCCGTGCCCGGGAG  
CCCGCGCGCCAGAGCCTGCGCTGGAACCGGAGTCCCTGGACTTCAGCGGAGCTGGCCAGAGACTTCGG  
AGAGACGTCTCCCGCCAGCGGTGGACCCCGCAGCAAACCGCCTTGGCCTGCCCTGCCTGGCCCCGGAC  
CGTTCGA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001099456
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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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_001099456.2, NP_001092926.2</u>
RefSeq Size:	1033 bp
RefSeq ORF:	498 bp
Locus ID:	283869
UniProt ID:	<u>Q8N729</u>
Cytogenetics:	16p13.3
Gene Summary:	The product of this gene is processed into 23- and 30-amino acid neuropeptides that bind and activate two G-protein coupled receptors in the central nervous system. The neuropeptides have been shown to enhance cortisol secretion from adrenal cells through the adenylate cyclase/protein kinase A signaling cascade. The preproprotein is translated using a non-AUG initiation codon that is inferred from analyses of the mouse ortholog. [provided by RefSeq, Jul 2008]