

Product datasheet for SC305007

NPVF (NM_022150) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPVF (NM_022150) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPVF
Synonyms:	C7orf9; RFRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305007 representing NM_022150. Blue=Insert sequence Red=Cloning site Green=Tag(s)

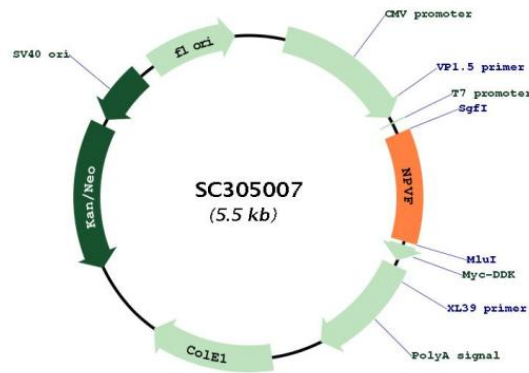
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ATTTTTTGTGCAGATGAATTAGTGATGTCCAATCTTCACAGCAAAGAAAATTATGACAAATATTCTGAG
CCTAGAGGATACCCAAAAGGGGAAAGAAGCCTCAATTTTGGGAATTAAGATTGGGGACCAAAAAAT
GTTATTAAGATGAGTACACCTGCAGTCAATAAAATGCCACACTCCTTCGCCAACTTGCCATTGAGATTT
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AAGAAAATAGATGATGCAGAATTGAAACAAGAAAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_022150

Insert Size: 591 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: 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.

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:

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_022150.3
RefSeq Size:	1190 bp
RefSeq ORF:	591 bp
Locus ID:	64111
UniProt ID:	Q9HCQ7
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome, Secreted Protein
MW:	22.3 kDa
Gene Summary:	Neuropeptide RFRP-1 acts as a potent negative regulator of gonadotropin synthesis and secretion. Neuropeptides NPSF and NPVF efficiently inhibit forskolin-induced production of cAMP, but RFRP-2 shows no inhibitory activity. Neuropeptide RFRP-1 induces secretion of prolactin in rats. Neuropeptide NPVF blocks morphine-induced analgesia.[UniProtKB/Swiss-Prot Function]