

Product datasheet for **SC321944**

CNPY2 (NM_014255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNPY2 (NM_014255) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNPY2
Synonyms:	HP10390; MSAP; TMEM4; ZSIG9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_014255.3

```

CCGGGACACCCCGTGTGTGGCAGGCGGCGAAGCGCTCTGGAGAATCCCGGACAGCCCTGC
TCCCTGCAGCCAGGTGTAGTTTCGGGAGCCACTGGGGCCAAAGTGAGAGTCCAGCGGTCT
TCCAGCGCTTGGGCCACGGCGGCGGCCCTGGGAGCAGAGGTGGAGCGACCCATTACGCT
AAAGATGAAAGGCTGGGGTTGGCTGGCCCTGCTTCTGGGGGCCCTGCTGGGAACCGCCTG
GGCTCGGAGGAGCCAGGATCTCCACTGTGGAGCATGCAGGGCTCTGGTGGATGAAGTAGA
ATGGGAAATTGCCAGGTGGACCCCAAGAAGACCATTGAGATGGGATCTTCCGGATCAA
TCCAGATGGCAGCCAGTCAGTGGTGGAGGTGCCTTATGCCCGCTCAGAGGCCACCTCAC
AGAGCTGCTGGAGGAGATATGTGACCGGATGAAGGAGTATGGGGAACAGATTGATCCTTC
CACCCATCGAAGAACTACGTACGTGTAGTGGCCGGAATGGAGAATCCAGTGAAGTGA
CCTACAAGGCATCCGAATCGACTCAGATATTAGCGGCACCCTCAAGTTTGCCTGTGAGAG
CATTGTGGAGGAATACGAGGATGAATCATTGAATTCTTTCCCGAGAGGCTGACAATGT
TAAAGACAACTTTGAGTAAGCGAACAGATCTTTGTGACCATGCCCTGCACATATCGCA
TGATGAGCTATGAACCACTGGAGCAGCCACACTGGCTTGATGGATCACCCCGAGGAGGG
GAAATGGTGGCAATGCCTTTTATATATTATGTTTTACTGAAATTAAGTAAAAAATAT
GAAACCAAAAGTACAAAAAACAACAAAAAACAACAAAAAACAACAAAAAACAACAAAAA
  
```

Restriction Sites: Please inquire

ACCN: NM_014255

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).


[View online »](#)

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:	<u>NM_014255.3, NP_055070.1</u>
RefSeq Size:	1210 bp
RefSeq ORF:	549 bp
Locus ID:	10330
UniProt ID:	<u>Q9Y2B0</u>
Cytogenetics:	12q13.3
Gene Summary:	Positive regulator of neurite outgrowth by stabilizing myosin regulatory light chain (MRLC). It prevents MIR-mediated MRLC ubiquitination and its subsequent proteasomal degradation. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (1).