

Product datasheet for **SC316889**

CNPY1 (NM_001103176) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNPY1 (NM_001103176) Human Untagged Clone
Tag: Tag Free
Symbol: CNPY1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC316889 representing NM_001103176.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAACGACTACAAGCTTGAGGAAGACCCTGTGACGAAGGAGAGAACTTCAAGAGATTCGCTCCTAGG
AAAGGAGACAAAAATACCAAGAATTTAAAAAATTGTATTTTATTCTGTGCTTACAGACCTTTGAAA
TTTGCCTGTGAACTATAATAGAAGAGTATGAAGATGAAATATCCTCACTTATCGCCAGGAGACACAC
TATCTAGCTGACAAGCTGTGCAGTGAAAAATCAGATCTGTGTGAACTTCTGCTAATCATACTGAGCTC
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI
ACCN: NM_001103176
Insert Size: 279 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:	<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_001103176.1</u>
RefSeq Size:	2234 bp
RefSeq ORF:	279 bp
Locus ID:	285888
UniProt ID:	<u>Q3B7I2</u>
Cytogenetics:	7q36.3
MW:	11 kDa
Gene Summary:	Cnpy1 is expressed in the midbrain-hindbrain (MHB) boundary in zebrafish, binds FGFR1 (MIM 136350), and plays a role in FGF signaling (Hirate and Okamoto, 2006 [PubMed 16488878]).[supplied by OMIM, Dec 2008]