

Product datasheet for **RR213901**

Cnpy2 (NM_001077585) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cnpy2 (NM_001077585) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cnpy2
Synonyms: Tmem4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR213901 representing NM_001077585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAGGCTGGGGTTGGCTGGCCCTACTTTGGGGTCTGCTGGGAACCTGGGCTCGAAGGAGCC
 AGGATCTACACTGTGGAGCTTGCAGGGCTCTGGTGGATGAATTAGAGTGGGAAATGCCCGCTGGACCC
 CAAGAAGACCATTAGATGGGATCCTCCGAATCAATCCAGATGGCAGCCAGTCAGTTGTGGAGGTTCTT
 TATGCCCGCTCAGAGGCCACCTCACGGAGTTGCTTGAGGAGATATGTACCGAATGAAGGAGTATGGGG
 AACAGATTGACCTTCTACCCACCGCAAGAACTACGTCCGTGTTGTCGGCCGGAACGGAGGATCCAGTGA
 ACTAGACTTACAGGGTATCCGAATCGATTAGATATCAGTGGCACCTCAAGTTTGCGTGTGAGAGCATT
 GTGGAGGAGTACGAGGATGAACCTATTGAATCTTTTCAAGAGAGGCTGACAACGTTAAAGACAACTTT
 GCAGTAAGCGGACAGATCTATGTGACCATGCCCTGCACAGATCTCATGATGAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213901 representing NM_001077585
 Red=Cloning site Green=Tags(s)

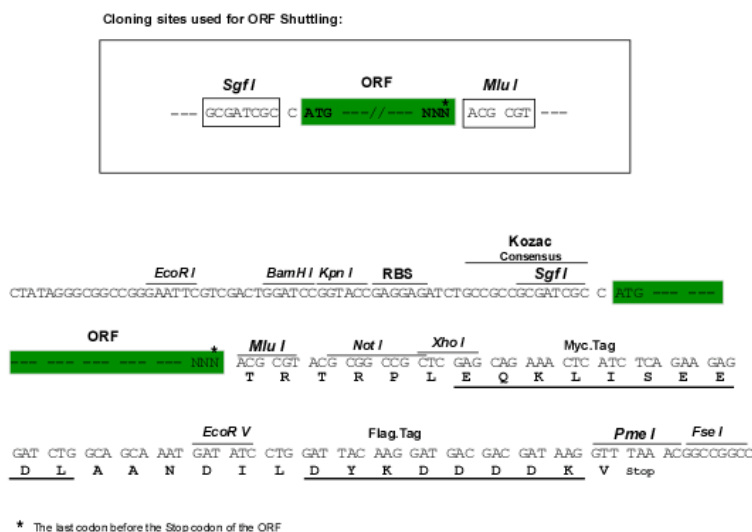
MKGWGWLALLLVLLGTTWARRSQDLHCGACRALVDELEWEIARVDPKTIQMGSFRINPDGSQSVEVP
 YARSEAHLTELEEICDRMKEYGEQIDPSTHRKNYVRVGRNGGSSELDLQGIRIDSDISGTLKFACESI
 VEEYEDELIEFFSREADNVKDKLCSKRTDLCDHALHRSHDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM 001077585

ORF Size: 546 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001077585.1](#), [NP_001071053.1](#)

RefSeq Size: 1028 bp

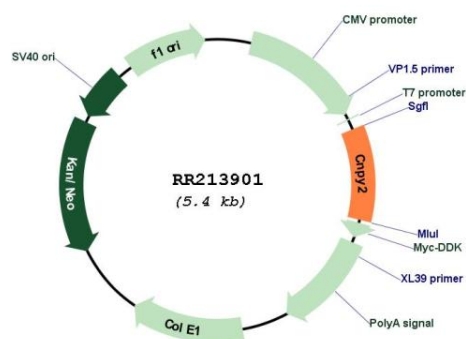
RefSeq ORF: 549 bp

Locus ID: 685814

Cytogenetics: 7q11

MW: 20.7 kDa

Product images:



Circular map for RR213901