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Product datasheet for RC201384

C2orf24 (CNPPD1) (NM_015680) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf24 (CNPPD1) (NM_015680) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2orf24
Synonyms:	C2orf24; CGI-57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC201384 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCTGACCGGGCTCCTGCTGGACGAAGAAGGCACCTTCTCCCTCGCCGGCTTCCAGGACTTCACGT
TCCTCCCAGGACACCAGAAGCTGAGTGCCCGGATCCGAAGGAGGCTCTACTATGGCTGGGACTGGGAAGC
CGACTGTAGCCTGGAGGAGCTCTCCAGCCCGGTGGCAGACATTGCTGTCGAACTGCTCCAGAAGGCAGCC
CCCAGCCCTATTCGCCGACTCCAGAAGAAATACGTAGCTCATGTGTCCCGGGAGGCATGCATCTCCCCAT
GTGCTATGATGCTGGCTCTGGTGTACATTGAACGGCTCCGGCACCGAAACCCAGACTACTTGCAGCATGT
GTCATCCTCTGACTTGTTCCTGATCTCCATGATGGTGGCCAGTAAGTACCTCTATGATGAAGGGGAGGAG
GAGGAGGTCTTCAACGACGAATGGGGAGCTGCTGGGGGTGTGGCCGTGCCCACTCTCAATGCCTTGGAGA
GGGGCTTCCTGAGTGCCATGGATTGGCATCTCTACACTGACCCTCGGGAGATCTTTGAGGTGCTGAGCTG
GTTGGAGAGCTGTGTGGCTGAGCAGCAGGGACGGTGGCGAGGCTGGTACACCTACACAGACCTGTGTGTG
CTGCTGGAGCAGCCGACCTGGCAGTTGGCCCTGGGCTCCCTCTGCCAGCGGCTGGTAAAGCTGTCTTGCC
TGTTAGCTGTGGCATATGTGAGCAGTGTGGCCCTGGCTGTGGCATCGGTGGCCGTAATACATCAGTCTTT
GGGGCTGTCCTGCACCCCTACACCTGGGCCGCCTGACCTTGGACTGACCTCCCGTTGCCTCCTGGAGCCC
TGCATACCTTCTGTGCCACAATGCCTGCCGTCTCCCGCTAATGTCTCCAGCTGCCTGGAAGGCAGCATGG
GGCTGCGGTCACTCTGGGGCAGTCTTCTGGCCTCACTGACTCCTCCACCATTGCCTCCCCCAGACCCCCC
TGCCCCTCCCACTCTTCTTCATAACTGCCACCTTTGCCAGAAGCTCCAGAGAGACTCCCCAACCTGCCAT
GCCTGCCTCCACCCCAACCGTACAGTCCCCACTGCGCTGTCCAGCCCCTGGTACCATACCTATGGCCTGG
CTCCCCCCTGGCCTTGGAGCCCGGTGCCCCTTTCACTTCCTCAGCCTCAGCAATGTTCCCTTTTCAGTGT
CATGGAGCTGGCTCGCCTCAAGTCTTTCGTTTTCCCAGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

>RC201384 protein sequence
Red=Cloning site Green=Tags(s)

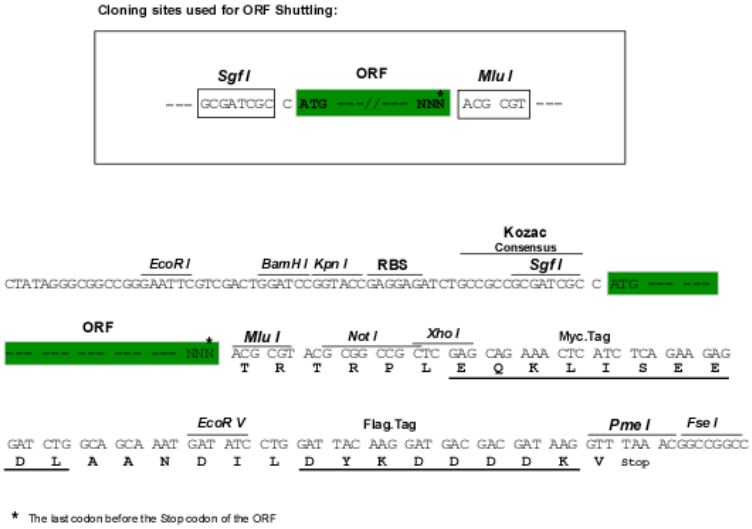
MDLTGLLLDEEGTFSLAGFQDFTFLPGHQKLSARIRRRLYYGWDWEADCSLEELSSPVADIAVELLQKAA
PSPIRRLQKKYVAHVSREACISPCAMMLALVYIERLRHRNPDYLQHVSSSDLFLISMMVASKYLYDEGEE
EEVFNDEWGAAGGVAVPTLNALERGFLSAMDWHLYTDPREIFEVLSWLESCVAEQQGRWRGWYTYTDLCV
LLEQPTWQLALGSLCQRLVKLSCLLAVAYVSSVALAVASVAVIHQSLGLSCTPTPGPPDLGLTSRCLLEP
CIPSVPQCLPSPANVSSCLEGSMGLRSLWGSLLASLTPPPLPPPDPPAPPTLLHNCHLCQKLQRDSPTCH
ACLHPNRTVPTALSSPWYHTYGLAPPWPWSPVPLSLPQPQQCSLFSVMELARLKSFVFPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6419_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015680

ORF Size: 1230 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).

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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_015680.3, NP_056495.2

RefSeq Size: 2100 bp

RefSeq ORF: 1233 bp

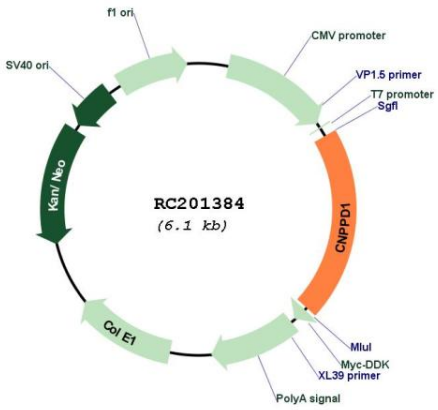
Locus ID: 27013

UniProt ID: Q9BV87

Cytogenetics: 2q35

MW: 45.4 kDa

Product images:



Circular map for RC201384

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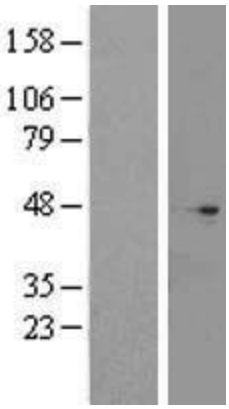

Western blot validation of overexpression lysate (Cat# [LY414409]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201384 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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