

Product datasheet for **RC208149**

C22ORF30 (PRR14L) (NM_173566) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C22ORF30 (PRR14L) (NM_173566) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C22ORF30
Synonyms:	C22orf30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208149 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAGGCTCTTCATGACCCAGTTTACACAGGGCCTGAAAGGGTTACGGTCTCCAGCCTCCATAGCAG
ACAAGGTCTTCTGTTCTCTGCCCTACTCGGTGGGCAGAGTCCTATCCATTTGGAGCCAGCATGGTCCTTC
TGTCTGCTCCTTCGAAATCTCTTCTTTCATTCCCTCACTGCAAGCGGCAACCAAGTCTGGGCACCACA
AGCAGCCACACCATGTTACCATATGTGCCTCTTCCAGGCATGGAAGCTACATATAACACCAGCGGCAGTC
AGACGAGGCTGGAGCCTCCATTCCCTGCCTTGGTACCAAAGTCTTGCTTGGTAGCAGAATCAGCTGTCAG
CAAGCTCCTGCTTTCAGCCTCTGAGTTCAGGTTTCGTGGATTGGATGAGCTGGATGGTGTGAAAGCAGCA
TGCCCCCTGCCACAGAGCAGCCCCCAGAACAGAAAGAGGCTGAGCCAGAGAAGAGGCCAAAGAAAGTCT
CACAGATTCGCATCCGGAACCATTCCTAGGCCAGATCCTAATCTTACCCCATGGGCCTTCTCGACC
CAAAAGGTTAAAGAAGAAGGAGTTTGTAGTTAGAAGAGATATATACCAACAAGATTATAATCTCCTCCT
GCAAACAGGGACCTGGATTCTAGCTGCCCAGCACTGACAGCGAAACCGGCACCTTCTGGTATTCGGAT
ATGCGCAGCGCAAGCGCAGCCGACCCACTGCTGGCCTCACGCCGTCTGATTGGCTGCAGCTCTCCGGA
GGGGCGGGGCCATCCGAGAAGCTATCCATATTGGAGGAGGCTGCTAGTCCTTTGCTGGTACCTGCCGGC
TGGAGAGCGGGGAGGTCACGTGGTTAAGACTCGCCACGTGGCCGGGCGCGGTGACTCAAGCCTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208149 protein sequence
Red=Cloning site Green=Tags(s)

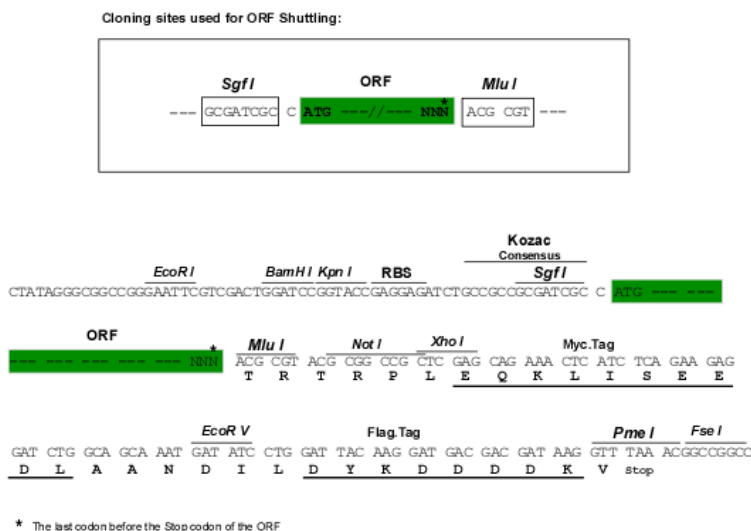
MQRLFMTQFTQGLKGLRSPASIADKVFCSLPYSVGRVLSIWSQHGPSVCSFEISSLHSPHCKRQPSLGT
SSHTMLPYVPLPGMEATYNTSGSQRLEPPFPALVPKSLVAESAVSKLLLSASEFQVRGLDELDGVKAA
CPCPQSSPPEQKEAEPEKRPKKVQSQIRIRKTIIPRPDPNLTPMGLPRPKRLKKKEFSLEEIYTNKNYSPP
ANRDLSSCPSTDETSGHFLVFGYAQRQAQPHLLASRRLIGCSSPEGRGHPRSYPYWRRLLVLCWYLP
WRAGRYTWLRLATWAGRGDSSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6348_f04.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 173566

ORF Size: 906 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.

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

RefSeq: NM_173566.1, NP_775837.1

RefSeq Size: 10844 bp

RefSeq ORF: 6456 bp

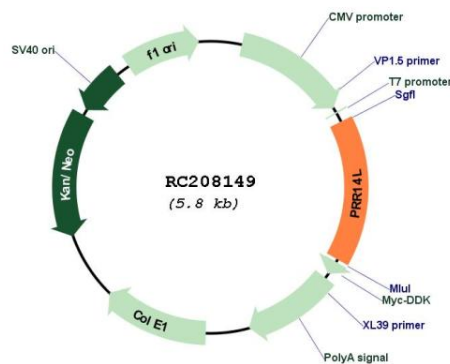
Locus ID: 253143

UniProt ID: Q5THK1

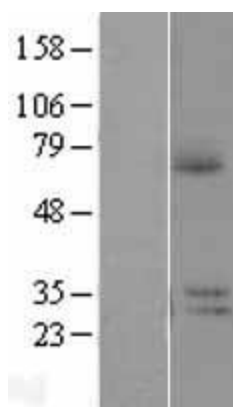
Cytogenetics: 22q12.2

MW: 33.7 kDa

Product images:



Circular map for RC208149



Western blot validation of overexpression lysate (Cat# [LY406477]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208149 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).