

Product datasheet for **RR217232**

Cd177 (NM_001191948) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd177 (NM_001191948) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd177
Synonyms:	RGD1562941
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217232 representing NM_001191948
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATCCTATGCCAGTCTGACCTCTGGGGTTCAGCACCTTGTACCTGTGTCCCAGCTCTGATCT
 GCCAGAGAGGCAGAATACAGACCGTGAGGAACGAGTCAGAGCTGCCCTCGAGTGGGGACGGGTGAGAA
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 GTGATCATCAAGGGCTGCATAAAGGCTGAGGACCAAGAGCCTCGGGTTACCTGGCTCAGTACAGGCCCTG
 GGCTCTCTGTCGTCCTACACACATGTGTGTCGCCATGGTGACCTCTGTAACAATGCATCCAGCACCAG
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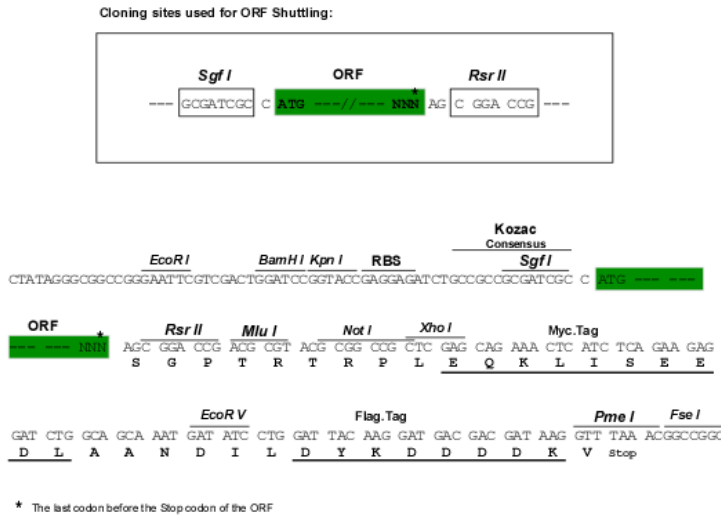
Protein Sequence: >RR217232 representing NM_001191948
Red=Cloning site Green=Tags(s)

MNPMPVLTLLGVSTLLPCVPALICQGRIGTVRNESELPLEWGTGEKACEVGEQCQDVVMLLHNGPLINL
VIIKGCIKAEDQEPRVTWLSTGPGLSVVSYTHVCRHGDLCNNASSTRILEDLSTPTVPGSLRCPLCLSNN
DCENAPEQVCPVGSYCYNGVLRRLRGEIIRTNLKVQGCMAQPGCNLLNGTTAVGTLDMSENCGLQLGPQA
LDCNSASLDIVKDVSDLHL SWTTGWKTCEADEGCYETVMLIQNGQEIHMALTKGCTSSVNREAQLTRHRT
GPGISIVSYVHVCNNGDFCNDLSTETLWIPPPDTVPGLRCPHCLSTRDCENAPEQVCPEGTHCYNGVL
RLRGGGFISDLKVQGCSTQSQSQSDCNLLNGIQTIGPIKLHESCGFHLESKQCQHGTLAVQHISKPLPQ
WTAEQKTCNVGEGCQDTLVIIENGEHVNLVLTGCTAAEDHKAKVTEHRTGPGLAVISYTRVCREKDLCN
DLSTTVPLWAPPVTPAGNTRCPLCFTAQACENAPEQFCPAGSTHCYSGVLSLRGGEIISKLVQGCMSQ
PGCNLLNGTQKIGPVDVSEDCSPRSNSLTCHRGTMLKIGNGFAEKAVEWTPLESSQVCEPDEICQETLLLI
DVGQKALLGSKGCSSLGAQNDVGVSIFSRPPGMVVASYTRFCSSNLCNAASSTSVLLSNLPRPEVLPPG
SVKCPVCVQLFRSCFQTSDFVTCPRGATHCYRGDIALRGGGLSSTLSIQGCMASPVKSLLGNSKTIGILS
AKESSENERGDEDEKPLLDGASASSPAMSLGLLVLLSSL CAGICPLH

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001191948

ORF Size: 2454 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_001191948.1](#), [NP_001178877.1](#)

RefSeq Size: 2713 bp

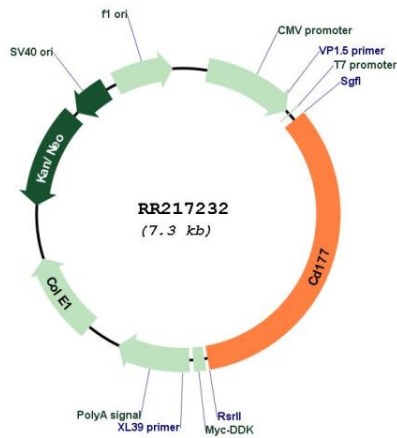
RefSeq ORF: 2457 bp

Locus ID: 499099

Cytogenetics: 1q21

MW: 87.1 kDa

Product images:



Circular map for RR217232