

## Product datasheet for **RR204105**

### **Cdh20 (NM\_001012748) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdh20 (NM_001012748) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh20
Synonyms:	Cad20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR204105 representing NM\_001012748  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGGACTACAGGTAGAATGAGCAATGCAAAGAGCTGGCTTGGACTTGGACATCCTTGTACTTCTGGG  
 CACTGATGGACCTTGCGACCACCGTTCTGTCCAGCACTCCGATGCCGGAAGTCGAGTTAGATACACTCTT  
 CTCAGGAAAGCCACAGTCACATCAGCGGAGCAGGAGGAGCTGGGTTTGGAAACCAATTTTTTGTCTGGAA  
 GAGTACACTGGGACTGACCCCTGTATGTCCGCAAGCTTCATTACAGACATGGACAGGGGAGATGGATCCA  
 TCAAATACATCCTTTAGGAGAAGGAGCAGGGATCGTGTACCATTGATGACACCCTGGAGACATCCA  
 TGCCATTCAGAGGCTTGTGAGAGGAAAGAGCCCAATACTCTAAGAGCTCAAGCCCTAGACAGGAGA  
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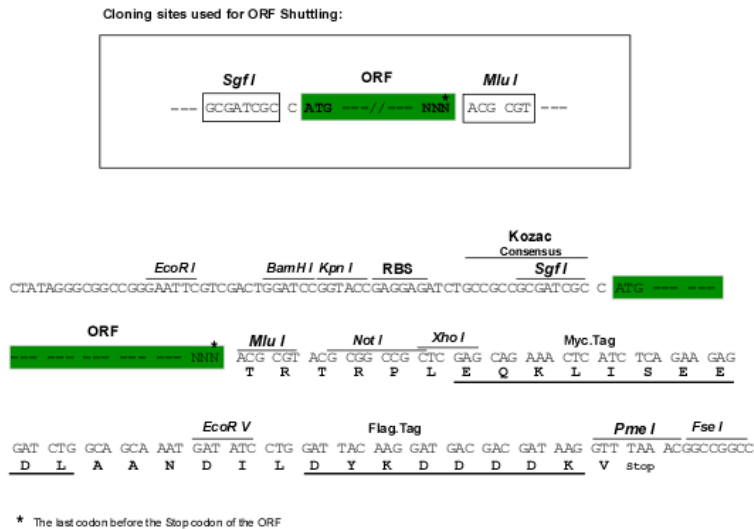
**Protein Sequence:** >RR204105 representing NM\_001012748  
 Red=Cloning site Green=Tags(s)

```
MWTTGRMSNAKSWLGLGTSLYFWALMDLATTVLSSTPMPEVELDTLFSGKPQSHQSRSSWVWNQFFVLE
EYTGTDPLYVVGKLSHMDRGGDSIKYILSGEGAGIVFTIDDTTGDHAIQRLDREERAQYTLRAQALDRR
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GFRQQEQSVFYLPILIADSGQPVLSSTGTLTIQVCSCSDDGHVMSCSPEAYMLPVSLSRGALIAILACVF
VLLVLLVLLILSMRRHRKQPYIIDDDENIHENIVRYDDEGGGEEDTEAFDIAAMWNPREAQAGAAPKTRQD
MLPEIESLSRYVPQTCAVSSTVHSYVLAKLYEADMDLWAPPFDSLQTYMFEQDGSVAGSLSSLQSATSDS
EQSFDFLTDWGPRFRKLAELYGASEGPSPLW
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_001012748

**ORF Size:** 2403 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\\_001012748.1](#), [NP\\_001012766.1](#)

**RefSeq Size:** 2450 bp

**RefSeq ORF:** 2406 bp

**Locus ID:** 363948

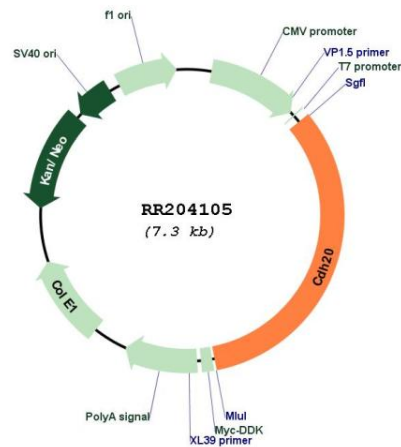
**UniProt ID:** [Q5DWW1](#)

**Cytogenetics:** 13p11

**MW:** 89.1 kDa

**Gene Summary:** Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RR204105