

Product datasheet for **MR231075**

Cdh8 (NM_001285913) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh8 (NM_001285913) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh8
Synonyms:	AI851472; cad; cad8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR231075 representing NM_001285913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGAAAGGCTAGCTGAGACGCTCATGGACCTCTGGACTCCATTAATAATATTATGGATTACCTCC
 CTCTTTGTGTATACACGGCTCCGATGAATCAGGCTCACGTTTTAACTACTGGATCCCTTTGGAAC TAAG
 CAGGCAGAGTGAAGACATGCGGATTTTGTAGCCGCTCCAAAAGAGGCTGGGTTTGGAAATCAAAATGTTTGT
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Protein Sequence: >MR231075 representing NM_001285913
 Red=Cloning site Green=Tags(s)

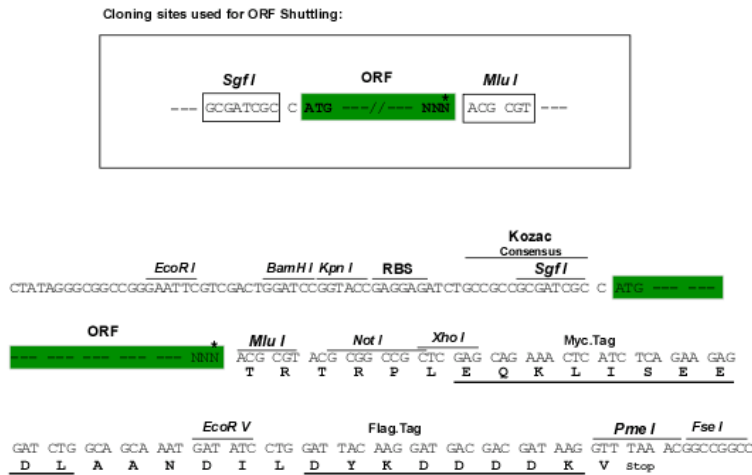
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 TSSPIRFSIDRHTDLERQFNINADDGKITLATPLDRELSVWHNITIIATEIRNHSQISRPVPAIKVLDVN
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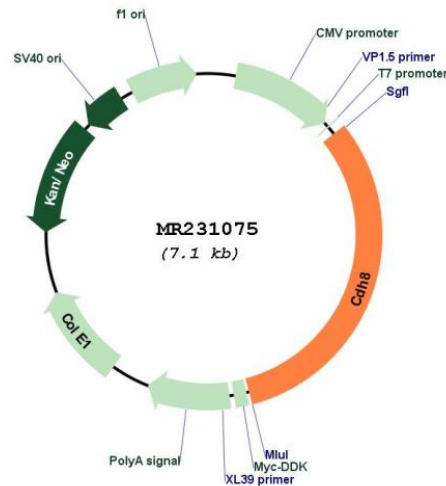
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001285913

ORF Size: 2262 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_001285913.1](#), [NP_001272842.1](#)

RefSeq Size: 3203 bp

RefSeq ORF: 2265 bp

Locus ID: 12564

Cytogenetics: 8 49.4 cM

MW: 84.1 kDa

Gene Summary: This gene encodes a member of the cadherin family of calcium-dependent glycoproteins that mediate cell adhesion and regulate many morphogenetic events during development. The encoded preproprotein is further processed to generate a mature protein. Mice lacking the encoded protein exhibit reduced behavioral responses to cold, but not thermal stimuli. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8. [provided by RefSeq, Oct 2015]