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Product datasheet for MR223808

Cdh20 (NM_011800) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh20 (NM_011800) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh20
Synonyms:	Cdh7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR223808 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGACTACGGGTAGAATGAGCAATGCAAAGAGTTGGCTTGGACTTGGCACATCCTTGTACTTCTGGG
CGCTGATGGACCTCACAGCCACTGTTCTCTCCAGCACTCCAATGCCAGAAGTTGAATTAGAAACACTCTT
CTCTGGAAGGTCGCAGTCACATCAGCGAAGCAAGAGGAGCTGGGTTTGGAATCAGTTTTTTGTCCTGGAA
GAGTACACTGGGACTGACCCTTTGTATGTCGGCAAGCTTCATTCAGACATGGACAGGGGAGATGGATCCA
TCAAATACATCCTTTCAGGAGAAGGAGCAGGCATCGTGTTTACCATTGATGACACCACTGGAGACATCCA
TGCCATTCAGAGGCTCGACCGAGAAGAAAGAGCCCAATATACTCTAAGGGCTCAAGCCCTAGACAGGAGA
ACAGGCCGGCCAATGGAGCCAGAATCAGAGTTCATTATCAAAATCCAAGATATCAATGACAACGAGCCCA
AGTTCCTGGATGGACCTTACATCGCCACTGTGCCAGAAATGTCACCAGTAGGTACATCTGTTATCCAAGT
GACAGCCACAGATGCTGATGACCCAACCTATGGCAACAGTGCCCGGGTAGTGTACAGCATTCTCCAGGGC
CAGCCATATTTTTCTGTGGACTCCAAAACAGGTGTAATCAGAACAGCCCTTATGAACATGGACAGAGAAG
CCAAGGAGTACTATGAAGTGATTATCCAAGCCAAAGATATGGGAGGGCAACTTGGAGGATTGGCTGGGAC
CACAACAGTCAACATCACTCTCTCAGATGTCAATGATAACCCACCCCGATTTCCACAGAAACATTATCAG
ATGAGTGTGCTAGAATCTGCTCCAATTAGCTCTACTGTGGGCAGAGTGTTTGCCAAGGACCTGGATGAAG
GAATCAATGCAGAGATGAAGTATACCATTGTGGATGGAGATGGTGCAGATGCTTTTGATATTAATACAGA
CCAAAACTTCCAAGTTGGCATCATAACTGTGAAGAAGCCCCTGAGTTTTGAAAGCAAGAAAAGCTACACC
CTGAAGGTGGAAGGATCCAATCCTCACCTAGAGATGCGTTTTCTGAACCTTGGCCCATTTCAGGACACAA
CAACAGTGCACATCAGTGTGGAGGATGTGGACGAGCCCCCTGTGTTTGAGCCTGGCTTTTATTTTGTGGA
GGTGCCAGAGGATGTGACAATTGGAACAACCATACAGATCATTTCTGCTAAGGACCCAGACGTAACCAAC
AACTCAATCAGGTACTCCATTGACAGAGGCAGCGACCCGGGAAGATTTTTCTATGTGGACATTACAACAG
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GCTCCAGAGTTTCCCAGATTCTATGAAGCTTTTATCTGTGAAAATGCCAAAGCCGGACAGCTGATCCAGA
CAGTGAGTGCTGTGGATCAAGATGACCCTCACAATGGCCAACATTTCTACTACAGTTTGGCTCCTGAGGC
TGCTAACAACCCCAACTTCACTGTCAGGGACAACCAAGATAATACTGCTCGGATTCTGACCCGGAGGTCC
GGCTTCCGACAGCAGGAGCAGAGCGTCTTCTACCTGCCCATCCTCATCGCAGACAGCGGCCAGCCCGTCC
TCAGCAGCACCGGCACGCTTACCATTCAAGTGTGCAGCTGCAATGACGATGGCCACGTCATGTCCTGCAG
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GTCCTCTTAGTGTTGGTGCTGCTCATCCTGTCCATGAGGCGACATCGCAAACAACCCTACATCATCGACG
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ATGCTCCCCGAGATCGAGAGCCTGTCCCGCTACGTGCCTCAGACCTGCGCGGTCAGCAGCACGGTCCACA
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CTACATGTTTGAAGGGGACGGCTCTGTGGCCGGCTCGCTCAGCTCCCTGCAGTCAGCCACCTCGGACTCA
GAGCAGAGCTTTGATTTCCTCACGGACTGGGGACCCCGCTTCCGAAAACTGGCAGAACTCTACGGGGCGT
CCGAGGGGCCCGCGCCCTTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223808 protein sequence
Red=Cloning site Green=Tags(s)

MWTTGRMSNAKSWLGLGTSLYFWALMDLTATVLSSTPMPEVELETLFSGRSQSHQRSKRSWVWNQFFVLE
EYTGTDPLYVGKLHSDMDRGDGSIKYILSGEGAGIVFTIDDTTGDIHAIQRLDREERAQYTLRAQALDRR
TGRPMEPESEFIIKIQDINDNEPKFLDGPYIATVPEMSPVGTSVIQVTATDADDPTYGNSARVVYSILQG
QPYFSVDSKTGVIRTALMNMDREAKEYYEVIIQAKDMGGQLGGLAGTTTVNITLSDVNDNPPRFPQKHYQ
MSVLESAPISSTVGRVFAKDLDEGINAEMKYTIVDGDGADAFDINTDQNFQVGIITVKKPLSFESKKSYT
LKVEGSNPHLEMRFLNLGPFQDTTTVHISVEDVDEPPVFEPGFYFVEVPEDVTIGTTIQIISAKDPDVTN
NSIRYSIDRGSDPGRFFYVDITTGALMTARPLDREEFSWHNITVLAMEMNNPSQVGSVAVTIKVLDVNDN
APEFPRFYEAFICENAKAGQLIQTVSAVDQDDPHNGQHFYYSLAPEAANNPNFTVRDNQDNTARILTRRS
GFRQQEQSVFYLPILIADSGQPVLSSTGTLTIQVCSCNDDGHVMSCSPEAYLLPVSLSRGALIAILACIF
VLLVLVLLILSMRRHRKQPYIIDDDENIHENIVRYDDEGGGEEDTEAFDIAAMWNPREAQAGAAPKTRQD
MLPEIESLSRYVPQTCAVSSTVHSYVLAKLYEADMDLWAPPFDSLQTYMFEGDGSVAGSLSSLQSATSDS
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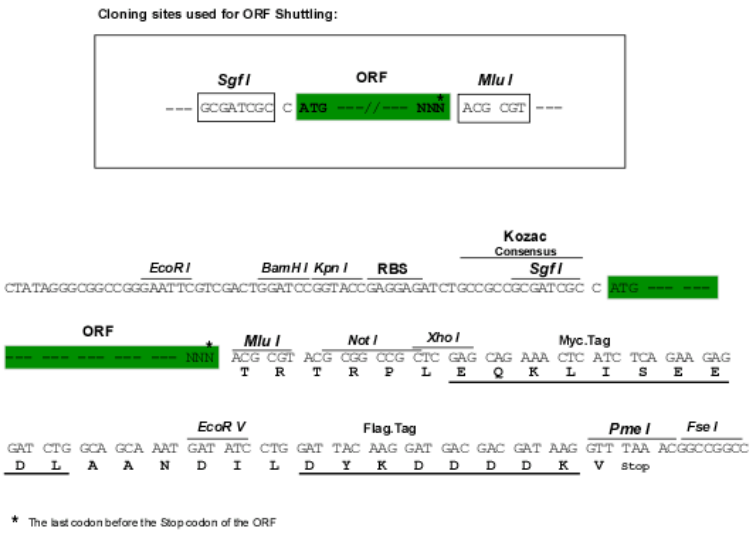
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011800

ORF Size: 2406 bp

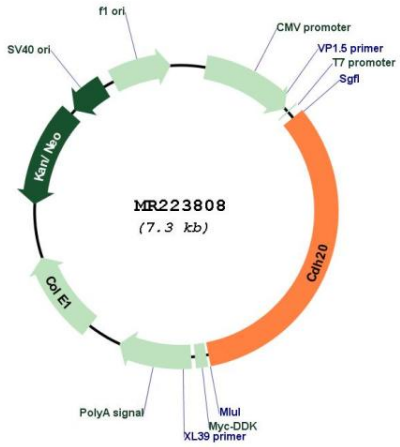
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_011800.1
RefSeq Size:	3722 bp
RefSeq ORF:	2406 bp
Locus ID:	23836
UniProt ID:	Q9Z0M3
Cytogenetics:	1 49.42 cM
MW:	89 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 MR223808