

Product datasheet for **RN205748**

Cdh7 (NM_001012737) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh7 (NM_001012737) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdh7
Synonyms:	Cad7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205748 representing NM_001012737
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTGGGCAAAGTGGAGCTGTGCCGTTTTCTACAGCTTATAGCTCTCTTCCTGTGTTCTCTGGGA
 TGAATCAAGCTGAGCTGCCAAGGTCCAGATCCAAGCCATACTTCCAGTTAGGAAGGTCCCGACCAAGCG
 CAGCTGGGTTTGGAATCAGTTCTTCGTGCTGGAAGAATACATGGGTTAGATCCCTCTATGTAGGGAAG
 CTTCACTCTGATGTTGATAAAGGAGATGGTTTCATCAAGTACATCTTGTGAGGTGAAGGGCAAGTTCAA
 TTTTCATTATTGATGAGAACTGGTGATATCCATGCTACTAAGAGACTGGACCGGGAGGAGCAGGCCTA
 TTATACACTCAGAGCCCAAGCTCTGGACAGACTCACCAACAAGCCTGTGGAGCCGAATCAGAATTTGTT
 ATTAAGATTCAAGATATCAACGACAATGAACCCAAATTTCTAGATGGTCCATACACAGCAGGAGTTCCTG
 AGATGTCTCCTGTGGGACTTCAGTGGTTCAAGTGACAGCAACAGATGCTGATGATCCTACTTATGGCAA
 CAGTGCTCGAGTAGTCTATAGTATTCTGCAGGGACAGCCATACTTCTCAGTGGAACCAAGACAGGAGTC
 ATCAAGACTGCCCTTCCAACATGGATAGAGAGGCTAAAGACCAGTATTTGCTTGTCACTCAGGCAAGG
 ATATGGTTGGGCAAAATGGCGGATTGTCTGGAACAACCTCAGTTACTGTGACCCTAACTGATGTCAATGA
 TAACCCACCTCGCTTTCACGAAGGTCTTACCAGTATAATGGTCCAGAATCTTGCCTGTGGCATCAGTT
 GTGGCCAGAATTAAGCTGCAGATGCAGATATAGGAGTCAATGCAGAAATGGAATATAAAATAGTGGATG
 GTGATGGACTGGGCATTTTCAAGATATCTCCTGACAAAGACACAGGAAGGAATCATTACAATACAGAA
 GGAGCTCGATTTTGAAGCCAAAACAAGTTATACACTGCGCATAGAAGCTGCAATCGAGATGCTGATCCC
 CGGTTTCTGAGCTTGGGTCCATTCAAGTGACACAACAACAGTTAAGATAATTGTGGAAGACGTGGATGAGC
 CCCCTGTGTTTTCGTCACCCTTGATCCAATGGAGGTGTCAGAAGCGACACAGGTGGGGCATATAATTGG
 CACTGTAGCAGCTCATGACCCAGATTCTTCCAACAGCCCTGTGAGGTACTCAATTGACAGAAACACAGAC
 CTGGAGAGATATTTCAATATTGATGCCAACAGTGAATTATTACTACTGCCAAATCATTGGATCGAGAGA
 CAAATCCTGTTTCAATACATTACAGTCTCGCAATGGAGAGCCAGAATCCATCCAGGTGGGAGAGGCTA
 TGTGGCCATCACTATACTGGATATTAATGACAATGCTCCCGAGTTTGGCATGGACTATGAAACCACTGTC
 TGTGAAATGCTCAGCCAGGACAGGTTATCCAGAAATCAGTGAATAGATAAAGACGAGCCATCCAATG
 GACACCAGTTTTACTTCAGCTTAACAACCGATATGGCAAATAACCTTAACCTCTTTGAAAGATAACAA
 AGACAATACAGCCTCAATACTAACCAGGAGAAATGGCTTCCGCAGACAGGAACAGTCAGTTTATTATCTG
 CCGATTTTCATCGTGGACAACGGATCTCCTTCACTAAGCAGTACGAACACACTTACCATCCGTGTCTGCG
 ACTGTGATGCTGATGGCATAGCGCAGACCTGCAATGCAGAGGCCTACATTCTACCCGCTGGCCTCAGCAC
 TGGGGCCCTGATTGCCATACTGGCCTGTGCTGACACTATTGGTGTGATCCTCCTTATTGTCACTATG
 AAAAGACGAAAAAAGAGCCTCTCATTTTTGATGAGGAGAGGGATATTAGAGAAAACATCGTCAGATATG
 ATGATGAAGGCGGGGAGAGAAGACACAGAAGCTTTTGATATGGCTGCACTGAGAAACCTCAATGTCGT
 AAGAGACACAAAACCTCGGAGAGATGTGACTCCTGAAATTCAGTTTTTGAGTCGACCGACTTTTAAAAAC
 ATCCCAGATAATGTCATTTTTAGGGAATTTATTTGGGAAAGACTAAAGGAAGCTGATGTGGATCCAGGGG
 CACCACCATATGACTCGCTTCAGACTTATGCATTTGAAGGAAATGGCTCAGTAGCTGAATCTCTCGGTTT
 TTTAGATTCTAACAGCTCGAACTCTGATCAGAATTATGACTACCTTAGTGACTGGGGTCTCGCTTTAA
 CGACTGGCTGAAATGTATGGAATGGCAAGAGAGTTTGTACTCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001012737
Insert Size: 2358 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001012737.1, NP_001012755.1</u>
RefSeq Size:	2361 bp
RefSeq ORF:	2358 bp
Locus ID:	29162
UniProt ID:	<u>Q5DWW2</u>
Cytogenetics:	13q11
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]