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Product datasheet for SC119339

CDHH (CDH13) (NM_001257) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDHH (CDH13) (NM_001257) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDHH
Synonyms:	CDHH; P105
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_001257 edited
GAATTCGGCACGAGGGGCGAGGCAGAGCCTCTCCTCAAAGCCTGGCTCCCACGGAAAATA
TGCTCAGTGCAGCCGCGTGCATGAATGAAAACGCCGCCGGGCGCTTCTAGTCGGACAAAA
TGCAGCCGAGAACTCCGCTCGTTCTGTGCGTTCTCCTGTCCCAGGTGCTGCTGCTAACAT
CTGCAGAAGATTTGGACTGCACTCCTGGATTTCAGCAGAAAGTGTTCCATATCAATCAGC
CAGCTGAATTCATTGAGGACCAGTCAATTCTAAACTTGACCTTCAGTGACTGTAAGGGAA
ACGACAAGCTACGCTATGAGGTCTCAAGCCCATACTTCAAGGTGAACAGCGATGGCGGCT
TAGTTGCTCTGAGAAACATAACTGCAGTGGGCAAAACTCTGTTCGTCCATGCACGGACCC
CCCATGCGGAAGATATGGCAGAACTCGTGATTGTCGGGGGGAAAGACATCCAGGGCTCCT
TGCAGGATATATTTAAATTTGCAAGAACTTCTCCTGTCCCAAGACAAAAGAGGTCCATTG
TGGTATCTCCCATTTTAATTCCAGAGAATCAGAGACAGCCTTTCCCAAGAGATGTTGGCA
AGGTAGTCGATAGTGACAGGCCAGAAAGGTCCAAGTTCCGGCTCACTGGAAAGGGAGTGG
ATCAAGAGCCTAAAGGAATTTTCAGAATCAATGAGAACACAGGGAGCGTCTCCGTGACAC
GGACCTTGGACAGAGAAGTAATCGCTGTTTATCAACTATTTGTGGAGACCACTGATGTCA
ATGGCAAAACTCTCGAGGGGCCGGTGCCTCTGGAAGTCATTGTGATTGATCAGAATGACA
ACCGACCGATCTTTCGGGAAGGCCCCTACATCGGCCACGTCATGGAAGGGTCACCCACAG
GCACCACAGTGATGCGGATGACAGCCTTTGATGCAGATGACCCAGCCACCGATAATGCCC
TCCTGCGGTATAATATCCGTCAGCAGACGCCTGACAAGCCATCTCCCAACATGTTCTACA
TCGATCCTGAGAAAGGAGACATTGTCACTGTTGTGTCACCTGCGCTGCTGGACCGAGAGA
CTCTGGAAAATCCCAAGTATGAACTGATCATCGAGGCTCAAGATATGGCTGGACTGGATG
TTGGATTAACAGGCACGGCCACAGCCACGATCATGATCGATGACAAAAATGATCACTCAC
CAAAATTCACCAAGAAAGAGTTTCAAGCCACAGTCGAGGAAGGAGCTGTGGGAGTTATTG
TCAATTTGACAGTTGAAGATAAGGATGACCCCACCACAGGTGCATGGAGGGCTGCCTACA
CCATCATCAACGGAAACCCCGGGCAGAGCTTTGAAATCCACACCAACCCTCAAACCAACG
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TGATCAAAGTGGAAAATGAAGACCCACTCGTACCCGACGTCTCCTACGGCCCCAGCTCCA
CAGCCACCGTCCACATCACTGTCCTGGATGTCAACGAGGGCCCAGTCTTCTACCCAGACC
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CCATGATGGTGACCAGGCAGGAGGACCTCTCTGTGGGCAGCGTGCTGCTGACAGTGAATG
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GATAGAGTTCCATATATTGTATTTGTTTCAATGGTAAATCCTTTGGGAACATATAGAATG
CAGAGATTTTTTTTTCCATTAAAATAAATGGGTAXXXXXXXXXXXXXXXXXXXAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001257 unedited
GAATTCGGCACGAGGGGCGAGGCAGAGCCTCTCCTCAAAGCCTGGCTCCCACGGAAAATA
TGCTCAGTGCAGCCGCGTGCATGAATGAAAACGCCGCCGGGCGCTTCTAGTCGGACAAAA
TGCAGCCGAGAACTCCGCTCGTTCTGTGCGTTCTCCTGTCCCAGGTGCTGCTGCTAACAT
CTGCAGAAGATTTGGACTGCACTCCTGGATTTCAGCAGAAAGTGTTCCATATCAATCAGC
CAGCTGAATTCATTGAGGACCAGTCAATTCTAAACTTGACCTTCAGTGACTGTAAGGGAA
ACGACAAGCTACGCTATGAGGTCTCAAGCCCATACTTCAAGGTGAACAGCGATGGCGGCT
TAGTTGCTCTGAGAAACATAACTGCAGTGGGCAAAACTCTGTTCGTCCATGCACGGACCC
CCCATGCGGAAGATATGGCAGAACTCGTGATTGTCGGGGGGAAAGACATCCAGGGCTCCT
TGCAGGATATATTTAAATTTGCAAGAACTTCTCCTGTCCCAAGACAAAAGAGGTCCATTG
TGGTATCTCCCATTTTAATTCCAGAGAATCAGAGACAGCCTTTCCCAAGAGATGTTGGCA
AGGTAGTCGATAGTGACAGGCCAGAAAGGGTCCCAGTTCCGGCTCACTGGANAGGGGAGT
GGGATCAAGAGCCTAAAGGGAATTTTCAGAATCAATGAGACACAGGGNAGCGTCTCCGTG
ACACGGACCCTTGACAGAGAAGTAATCGCTGGTTATCAACTATTTGTGGAGACCACTGAT
GTCA
```

Restriction Sites: NotI-NotI

ACCN: NM_001257

Insert Size: 4700 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: NM_001257.3, NP_001248.1

RefSeq Size: 3842 bp

RefSeq ORF: 2142 bp

Locus ID: 1012

UniProt ID: P55290

Cytogenetics: 16q23.3

Domains: CA

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Gene Summary: This gene encodes a member of the cadherin superfamily. The encoded protein is localized to the surface of the cell membrane and is anchored by a GPI moiety, rather than by a transmembrane domain. The protein lacks the cytoplasmic domain characteristic of other cadherins, and so is not thought to be a cell-cell adhesion glycoprotein. This protein acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. The gene is hypermethylated in many types of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2011]
Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1.

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