

Product datasheet for **SC305318**

MUPCDH (CDHR5) (NM_031264) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUPCDH (CDHR5) (NM_031264) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDHR5
Synonyms:	MLPCDH; MU-PCDH; MUCDHL; MUPCDH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

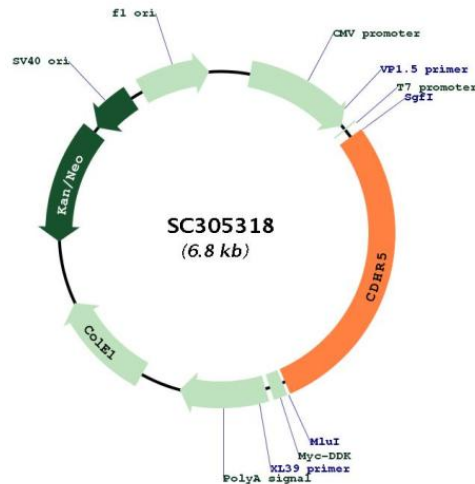


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Fully Sequenced ORF: >SC305318 representing NM_031264.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGTCTTGGGCCCTGCTGTGGCCTCCCCTGCTGTTACCCGGGCTGCTCGTCCGACCCCCGGGACC
ATGGCCCAGGCCAGTACTGCTCTGTGAACAAGGACATCTTTGAAGTAGAGGAGAACAACAATGTCACC
GAGCCCGTGGTGGACATCCACGTCCCGGAGGGCCAGGAGGTGACCCTCGGAGCCTTGTCCACCCCTTT
GCATTTCCGGATCCAGGAAACCAGCTGTTTCTCAACGTGACTCCTGATTACGAGGAGAAGTCACTGCTT
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CACGGGGTGTCCCCACGGGGCACATACTGCCATCTCCCCTCGTCTGCTGCCGACCCATCTACGCT
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CCCGCACCCCGGCCCTGCCTCCCCAGGCGGTGCCCTGAGCCCCCGCAGCGGCCGAGCTGGCGGA
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GGTGGTGTGACTCCTACATTAACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_031264

Insert Size: 1956 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_031264.3](#)

RefSeq Size: 2907 bp

RefSeq ORF: 1956 bp

Locus ID: 53841

UniProt ID: [Q9HBB8](#)

Cytogenetics: 11p15.5

Protein Families: Transmembrane

MW: 69.6 kDa

Gene Summary: This gene is a novel mucin-like gene that is a member of the cadherin superfamily. While encoding nonpolymorphic tandem repeats rich in proline, serine and threonine similar to mucin proteins, the gene also contains sequence encoding calcium-binding motifs found in all cadherins. The role of the hybrid extracellular region and the specific function of this protein have not yet been determined. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jan 2010]
Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.