

Product datasheet for **MG222127**

Cdh15 (NM_007662) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh15 (NM_007662) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdh15
Synonyms:	A1323380; Cdh14; Mca; Mcad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222127 representing NM_007662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTCTGCTCTGCTCCTCGCCCTCGGGCTGCTTGCCAGAGCCTTGGCCTGTCTGGGCAGTCCCTG
 AGCCCAAACCCAGCACCCCTGTACCCTGGCGCCGGGCATCAGCCCAGGCCGTGTGCGGAGAGCCTGGGT
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 AAACAGCAGCTAGGCAGTGTCTACAGCATCCAGGGTCCCGGAGTGGATGAGGAGCCCGAAATGTCT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

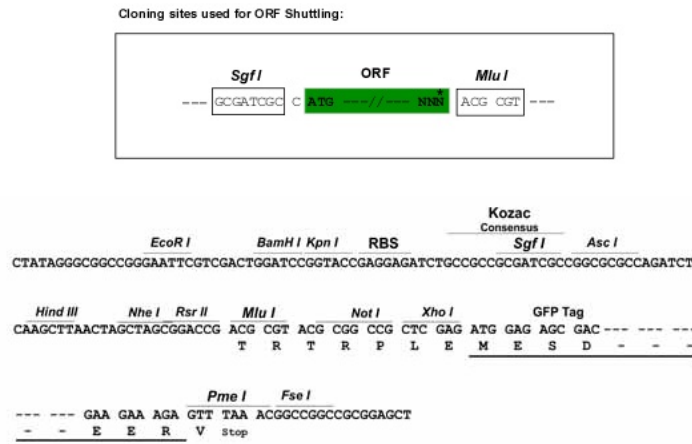
Protein Sequence: >MG222127 representing NM_007662
 Red=Cloning site Green=Tags(s)

MGSALLLALGLLAQLSLGWSAVPEPKPSTLYPWRRASAPGRVRRRAWIPPI SVSENHKRLPYPLVQIKSD
 KQQLGSVIYSIQGPGVDEEPRNVFSIDKFTGRVYLNATLDREKTDRFRLRAFALDLGGSTLEDPTDLEIV
 VVDQNDNRPAFLQDVFRGRILEGAIPGTFVTRAEATDADDPETDNAALRFSILEQGSPEFFSIDEHTGEI
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 CSEPDQGPGLLLGATDEDLPPHGAPFHFQLNPRVPDLGRNWSVSQINVSHARLRLRHQVSEGLHRLSLLL
 QDSGEPQQREQTLNVTVCRCGSDGTCLPGAAALRGGGVGVS LGALVIVLASTVVLLV LILLAALRTRFR
 GHSRGLSLLHGLQEDLRDNILNYDEQGGGEEDQDAYDINQLRHPVEPRATSRSLGRPPLRRDAPFSYVPQ
 PHRVLPTSPSDIANFISDGLEAADSDPSVPPYDTAL IYDYEGDGSVAGT LSSILSSLGDEDQDYDLRDW
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

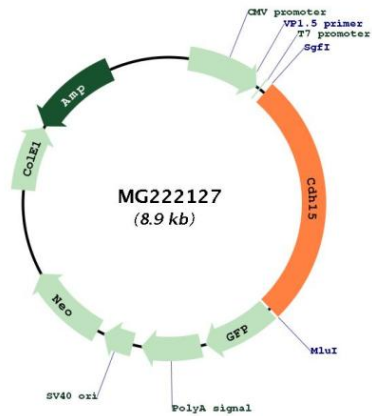


ACCN: NM_007662

ORF Size: 2352 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_007662.2, NP_031688.2</p>
RefSeq Size:	<p>2843 bp</p>
RefSeq ORF:	<p>2355 bp</p>
Locus ID:	<p>12555</p>
UniProt ID:	<p>P33146</p>
Cytogenetics:	<p>8 71.99 cM</p>
Gene Summary:	<p>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 preprotein is further processed to generate a mature protein. Based on the expression of this gene in skeletal muscle, satellite cells and cerebellum, it was postulated that the encoded protein may be important for muscle development and regeneration. Mice lacking the encoded protein appear normal and display no discernible defects in skeletal musculature. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8. [provided by RefSeq, Nov 2015]</p>

Product images:



Circular map for MG222127