

Product datasheet for **MC206918**

Mesdc2 (BC014742) Mouse Untagged Clone

Product data:

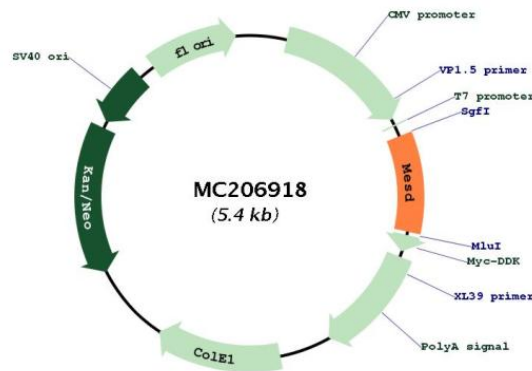
Product Type:	Expression Plasmids
Product Name:	Mesdc2 (BC014742) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mesdc2
Synonyms:	2210015O11Rik; AW537813; mesd; mKIAA0081; msd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206918 representing BC014742. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCGACTTCTGGAGCAGTGGGAGAAAGATGATGACATAGAAGAAGGAGACCTTCCAGAACACAAG
AGACCCTCAGCACCTATCGACTTCTCAAAGCTAGACCCAGGCAAACCTGAGAGCATCTTGAAAATGACA
AAGAAAGGAAGACTCTGATGATGTTTGTACCGTGTCTGGAAACCCACCGAGAAGGAGACAGAGGAG
ATCACCAGCCTGTGGCAGGGTAGCCTGTTCAACGCCAACTATGACGTTCCAGAGGTTTCATCGTGGGATCC
GACCGGCCATCTTCATGCTCCGGGATGGGAGCTATGCCTGGGAGATCAAGGACTTTTGGTCAGTCAA
GACCGGTGTGCTGAAGTCACTCTAGAGGGACAGATGTATCCTGGCAAAGGAGGAGGAAGCAAGGAGAAA
AATAAAACAAAGCCAGAGAAGGCTAAAAAGAAGGAGGGAGATCCCAAACACGTGCTTCCAAGGAAGAC
AATCGAGCTGGGAGCAGAAGAGAAGACCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN: BC014742

Insert Size: 516 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: [BC014742](#)

RefSeq Size: 1876 bp

RefSeq ORF: 515 bp

Locus ID: 67943

Cytogenetics: 7 D3

MW: 19.4 kDa

Gene Summary: Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. Essential for specification of embryonic polarity and mesoderm induction (PubMed:12581525). Plays an essential role in neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4 (PubMed:24140340). May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE) cells (PubMed:27184668).[UniProtKB/Swiss-Prot Function]