

## Recombinant Mouse Mesdc2 protein, His-tagged

**Cat. No.** Mesdc2-199M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse MESDC2, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	MESDC2 also known as LDLR chaperone MESD. This protein is specialized chaperone for low-density lipoprotein receptor-related protein 5 and LRP6. MESDC2 binds to mature LRP6 on the cell surface and blocks the binding of Wnt antagonist Dickkopf-1 to LRP6. Furthermore, MESDC2 plays an essential role in NMJ formation by promoting Lrp4 maturation.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
<b>Molecular Mass</b>	24.4kDa (218aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSADTPGEA TPPPRKKKDI RDYNDADMAR LLEQWEKDDD IEEGDLPEHK RPSAPIDFSK LDPGKPESILKMTKKGKTLM MFVTVSGNPT EKETEEITSL WQGSLFNANY DVQRFIVGSD RAIFMLRDGS YAWAIKDFLV SQDRCAEVTL EGQMPYPGKGGGSKEKNKTKP EKAKKKEGDP KPRASKEDNR AGSRRE?
<b>Purity</b>	> 90% by SDS - PAGE

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**Storage** Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 1mg/ml (determined by Absorbance at 280nm)

## GENE INFORMATION

**Gene Name** Mesdc2 mesoderm development candidate 2 [ Mus musculus ]

**Official Symbol** Mesdc2

**Synonyms** MESDC2; mesoderm development candidate 2; LDLR chaperone MESD; msd; mesd; AW537813; mKIAA0081; 2210015O11Rik; MGC25959;

**Gene ID** 67943

**mRNA Refseq** NM\_023403

**Protein Refseq** NP\_075892

**MIM**

**UniProt ID**

**Function** low-density lipoprotein particle receptor binding;

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