

Recombinant Mouse Mesdc2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant mouse MESDC2, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	24.4kDa (218aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSADTPGEA TPPPRKKKDI RDYNDADMAR LLEQWEKDDD IEEGDLPEHK RPSAPIDFSK LDPGKPESILKMTKKGKTLM MFVTVSGNPT EKETEEITSL WQGSLEFNANY DVQRFIVGSD RAIFMLRDGS YAWEIKDFLV SQDRCAEVTLE GQMPYPGKGGGSKEKNKTKP EKAKKKEGDP KPRASKEDNR AGSRRE?
Purity	> 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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