

**LDLR chaperone MESD, 30-224aa, Mouse, His tag, E.coli**

**Cat.NO.: TP02797**

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3th Edition

**Synonyms:**2210015O11Rik, AW537813, mesd, mKIAA0081, msd.

**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. Recombinant mouse MESDC2, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol

**Molecular Weight:**24.4kDa (218aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSADTPGEATPPPRKKKDIRDYNDADMARLLEQWEKDDDIIEEGLPEHKRPSA  
PIDFSKLDPGKPESILKMTKKGKTLMMFVTVSGNPTEKETEEITSLWQQSLFNANYDVQRFIVGSDRAIFMLRDGSY  
AWEIKDFLVSQDRCAEVTLEGQMYPGKGGGSKEKNKTKPEKAKKKEGDPKPRASKEDNRAGSRREDL

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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