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## Product Data Sheet

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Product Name: MESDC2 Mouse  
 Cat. No.: GP23915  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LDLRchaperone MESD; Mesoderm development candidate 2; Mesoderm development protein; Mesdc2; Mesd.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSADTPGEA TPPPRKKKDI RDYNDADMAR LLEQWEKDDD IEEGDLPEHKRPSAPIDFSK LDPGKPESIL KMTKKGKTLM MFVTVSGNPT EKETEEITSL WQGSLFNANY DVQRFIVGSDRAIFMLRDGS YAWEIKDFLV SQDRCAEVTL EGQMYPGKGG GSKEKNKTKP EKAKKKEGDPKPRASKEDNR AGSRREDL.		
Formulation	MESDC2protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10%glycerol.		

### Introduction

Mesoderm development candidate 2 (MESDC2) is required for formation of the primitive streak and mesoderm during embryogenesis. MESDC2 binds to the Wnt co-receptors LRP5 and LRP6 in the endoplasmic reticulum and is required for their proper folding and cell surface expression.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MESDC2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 218 amino acids (30-224 a.a) and having a molecular mass of 24.4kDa. MESDC2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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