9051 Mira Mesa Blvd, #910094
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MESDC1 Human

Mesoderm Development Candidate 1 Human Recombinant
RCP1354

Product Overview

Name	MESDC1 Human
Description	
Mesoderm Development Candidate 1 Human Recombinant	
Accession (Primary)	Q9H1K6
Synonyms	
Mesoderm Development Candidate 1, MESDC1.	
Introduction	
Mesoderm development candidate 1 (MESDC1) is a member of the MESD family. MESDC1 is a 362 amino acid protein encoded by a gene which maps to human chromosome 15q25.1. MESDC1 serves as a chaperone for low-density lipoprotein receptor (LDLR) proteins in the ER, and specifically associates with Wnt signaling pathway coreceptors LRP5 and LPR6. MESDC1 is needed for proper LRP5/6 folding and maturation to the cell surface, which has a key role in Wnt signaling.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MESDC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MASGSAG KPTGEAASPA PASAIGGASS QPRKRLVSVC DHCKGKMQLV ADLLLLSSEA RPVLFEGPAS SGAGAESFEQ CRDTIIARTK GLSILTHDVQ SQLNMGRFGE AGDSLVELGD LVVSLTECSA HAAYLAAVAT PGAQPAQPGL VDRYRVTRCR HEVEQGCAVL RATPLADMTP QLLLEVSQGL SRNLKFLTDA CALASDKSRD RFSREQFKLG VKCMSTSASA LLACVREVKV APSELARSRC ALFSGPLVQA	

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VSALVGFATE PQFLGRAAAV SAEGKAVQTA ILGGAMSVVS ACVLLTQCLR DLAQHPDGGA KMSDHRERLR NSACAVSEGC TLLSQALRER SSPRTLPPVN SNSVN.

Precautions

MESDC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9H1K6)