

32-4200: Recombinant Human Mesoderm Development Candidate 1

Alternative Name : Mesoderm Development Candidate 1, MESDC1.

Description

Source : Escherichia Coli. MESDC1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 385 amino acids (1-362) and having a molecular mass of 40.1 kDa. MESDC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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 LRP6. MESDC1 is needed for proper LRP5/6 folding and maturation to the cell surface, which has a key role in Wnt signaling.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The MESDC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SGLVPRGSH MGSMASGSAG KPTGEAASPA PASAIGGASS QPRKRLVSVC DHCKGKMQLV ADLLLLSSEA RPVLFEGPAS SGAGAESFEQ CRDTIARTK GLSILTHDVQ SQLNMGRFGE AGDSLVELGD LVVSLTECSA HAAYLAAVAT PGAQPAQPGL VDRYRVTRCR HEVEQGCAVL RATPLADMTP QLLLEVSQGL SRNLKFLTDA CALASDKSRD RFSREQFKLG VKCMSTSASA LLACVREVKV APSELARSRC ALFSGPLVQA VSALVGFATE PQFLGRAAAV SAEGKAVQTA ILGGAMSVVS ACVLLTQCLR DLAQHPDGGA KMSDHRERLR NSACAVSEGC TLLSQALRER SSPRTLPPVN SNSVN.