

Recombinant Human MESDC1, His-tagged

Cat. No. MESDC1-164H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MESDC1, 1-362aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-362aa
Description	Mesoderm development candidate 1, also known as MESDC1, belongs to the MESD family. It is a 362 amino acid protein encoded by a gene that maps to human chromosome 15q25.1. MESDC1 acts as a chaperone for low-density lipoprotein receptor (LDLR) proteins in the ER, and particularly associates with Wnt signaling pathway coreceptors LRP5 and LPR6). MESDC1 is required for proper LRP5/6 folding and maturation to the cell surface, which plays a major role in Wnt signaling. Recombinant human MESDC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	40.1 kDa (385aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASGSAG KPTGEAASPA PASAIGGASS QPRKRLVSVC DHCKGKMQLV ADLLLLSSEA RPVLFE GPAS SGAGAESFEQ CRDTIARTK GLSILTHDVQ SQLNMGRFGE AGDSLVELGD LVVSLTECSA

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HAAYLAAVAT PGAQPAQPGL VDRYRVTRCR HEVEQGCAVL RATPLADMTP
QLLLEVSQGL SRNLKFLTDALASDKSRD RFSREQFKLG VKCMSTSASA
LLACVREVKV APSELARSRC ALFSGPLVQA VSALVGFATE PQFLGRAAAV
SAEGKAVQTA ILGGAMSVVS ACVLLTQCLR DLAQHPDGGA KMSDHRERLR
NSACAVSEGC TLLSQALRER SSPRTLPPVN SNSVN

Purity >95% by SDS - PAGE

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

Concentration 0.5 mg/ml (determined by Bradford assay)

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