

Recombinant Mouse Mesd Protein, His-tagged

Cat. No. Mesd-7410M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mesd protein with a His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	30-224
Description	Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. Essential for specification of embryonic polarity and mesoderm induction. Plays an essential role in neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4. May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE) cells.
Form	Liquid
Molecular Mass	24.4 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSA DTPGEATPPPRKKKDIRDYNDADMARLLEQ WEKDDDIIEEGDLPEHKRPSAPIDFSKLDPGKPESILKMTKKGKTLMMFVTVSGNPTE KETEEITSLWQGS LFNANYDVQRFIVGSDRAIFMLRDGSYAW EIKDFLVSQDRCAEV TLEGQMPYPGKGGGSKEKNKTKPEKAKKKEGDPKPRASKEDNRAGSRRE?

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

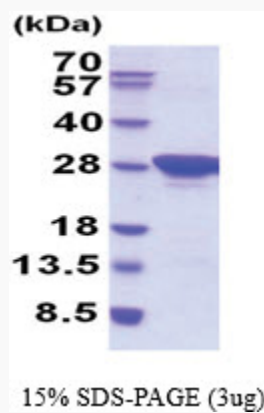
Gene Name	Mesd mesoderm development LRP chaperone [Mus musculus (house mouse)]
Official Symbol	Mesd
Synonyms	Mesd; mesoderm development LRP chaperone; ms; msd; mesd; Mesdc; Mesdc2; AW537813; mKIAA0081; 2210015O11Rik; LRP chaperone MESD; LDLR chaperone MESD; mesoderm development candidate 2
Gene ID	67943
mRNA Refseq	NM_023403
Protein Refseq	NP_075892
UniProt ID	Q9ERE7

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SDS-PAGE



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