

Product datasheet for **AR09873PU-N**

MESDC2 (34-234, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MESDC2 (34-234, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MAEGSPGTPD ESTPPPRKKK KDIRDYNDAD MARLLEQWEK DDDIEEGDLP EHKRPSAPVD FSKIDPSKPE SILKMTKKGK TLMMFVTVSG SPTEKETEEI TSLWQGSLFN ANYDVQRFIV GSDRAIFMLR DGSYAWEIKD FLVGQDRCAD VTLEGQVYPG KGGGSKEKNK TKQDKGKKKK EGDLSRSSK EENRAGNKRE DL
Tag:	His-tag
Predicted MW:	24.9 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MESDC2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_055969</u>
Locus ID:	23184
UniProt ID:	<u>Q14696</u>
Cytogenetics:	15q25.1
Synonyms:	BOCA; MESDC2; OI20



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Summary:

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 (By similarity). May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE) cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images: