

Recombinant Human Mesoderm Development Candidate 2, His-tagged

Cat. No. MESDC2-3195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MESDC2 (Met 1-Lys 230), fused with a His-tag at C-terminus, was expressed in <i>Human Cells</i> .
Species	Human
Source	Human Cells
Protein Length	1-230 a.a.
Description	LDLR chaperone MESD, also known as Mesoderm development protein, Mesoderm development candidate 2, Renal carcinoma antigen NY-REN-61 and MESDC2, is a member of the MESD family. MESDC2 is a chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). The LDLR maturation activity resides in the N- and C-terminal unstructured regions. MESDC2 acts as a modulator of the Wnt pathway, since some LDLRs are coreceptors for the canonical Wnt pathway. MESDC2 is essential for specification of embryonic polarity and mesoderm induction.
Purity	> 97% as determined by SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Predicted N Terminal	Ala 34.

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Formulation	Lyophilized from sterile PBS, pH 7.4.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Molecular Mass	The recombinant human MESDC2 consists of 208 amino acids and has a predicted molecular mass of 23.6 kDa. The apparent molecular mass of rh MESDC2 is approximately 27 kDa in SDS-PAGE under reducing conditions.

GENE INFORMATION

Gene Name	MESDC2 mesoderm development candidate 2 [Homo sapiens]
Synonyms	mesoderm development candidate 2; LDLR chaperone MESD; mesoderm development protein; renal carcinoma antigen NY-REN-61; BOCA; MESD; KIAA0081; MESDC2; Renal carcinoma antigen NY-REN-61; Mesoderm development protein
Gene ID	23184
mRNA Refseq	NM_015154
Protein Refseq	NP_055969
MIM	607783
UniProt ID	Q14696
Chromosome	15q13

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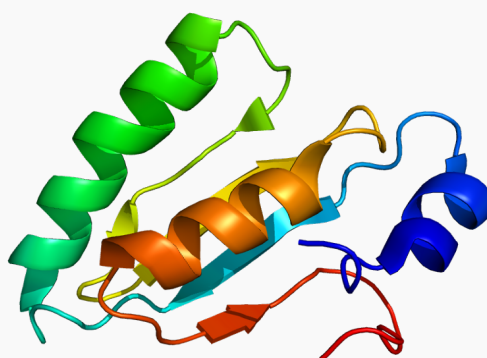
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Location

Function

molecular_function

PDB rendering based
on 2i9s.



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