

# Recombinant Human Mesoderm Development Candidate 2, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human MESDC2 (Met 1-Lys 230), fused with a His-tag at C-terminus, was expressed in <i>Human Cells</i> .
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-230 a.a.
<b>Description</b>	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.
<b>Purity</b>	> 97% as determined by SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Predicted N Terminal</b>	Ala 34.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Molecular Mass</b>	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

<b>Gene Name</b>	MESDC2 mesoderm development candidate 2 [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">23184</a>
<b>mRNA Refseq</b>	<a href="#">NM_015154</a>
<b>Protein Refseq</b>	<a href="#">NP_055969</a>
<b>MIM</b>	<a href="#">607783</a>
<b>UniProt ID</b>	Q14696
<b>Chromosome</b>	15q13

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

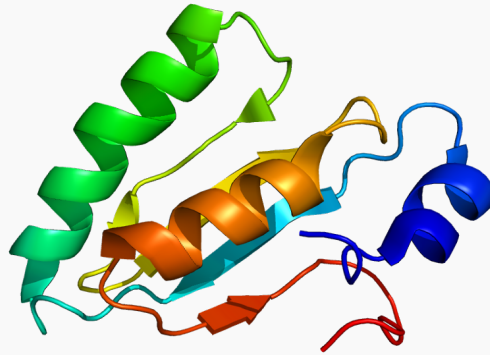
 45-1 Ramsey Road, Shirley, NY 11967, USA

**Location**

**Function**

molecular\_function

**PDB rendering based  
on 2i9s.**



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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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