



Recombinant Protein Technical Manual  
Recombinant Human MESDC2/MESD Protein (His  
Tag)  
RPES2439

### Product Data:

**Product SKU:** RPES2439

**Size:** 50µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_055969.1

### Protein Information:

**Molecular Mass:** 23.6 kDa

**AP Molecular Mass:** 27 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 97 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** BOCA;MESD

## Immunogen Information:

**Sequence:** Ala 34-Lys 230

## Background:

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.