Recombinant Human MESDC2/MESD Protein (His Tag)

Catalog No. PKSH031340

Note: Centrifuge before opening to ensure complete recovery of vial contents.

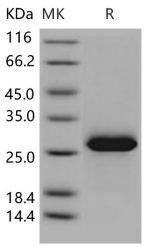
Description

Synonyms	BOCA;MESD
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala 34-Lys 230
Accession	NP_055969.1
Calculated Molecular Weight	23.6 kDa
Observed molecular weight	27 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 97 % as determined by reducing SDS-PAGE.

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

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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.

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