

MESDC2 Human

Description: MESDC2 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 222 amino acids (34-234 a.a.) and having a molecular mass of 24.9kDa (Molecular weight on SDS-PAGE will appear higher). The MESDC2 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-129

For research use only.

Synonyms: LDLR chaperone MESD, Mesoderm development candidate 2, Mesoderm development protein, Renal carcinoma antigen NY-REN-61, MESDC2, KIAA0081, MESD, BOCA.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAEGSPGTPD ESTPPPRKKK
KDIRDYNDAD MARLLEQWEK DDDIEEGDLP EHKRPSAPVD FSKIDPSKPE SILKMTKKGK
TLMMFVTVSG SPTEKETEEI TSLWQGSLFN ANYDVQRFIV GSDRAIFMLR DGSYAWKID
FLVGQDRCAD VTLEGQVYPG KGGGSKEKNK TKQDKGKKKK EGDLSRSSK EENRAGNKRE
DL.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The MESDC2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Mesoderm development candidate 2 (MESDC2) is required for formation of the primitive streak and mesoderm during embryogenesis. MESDC2 binds to the Wnt co-receptors LRP5 and LRP6 in the endoplasmic reticulum and is required for their proper folding and cell surface expression.

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