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# 32-4185: Recombinant Human Multiple Coagulation Factor Deficiency 2

**Alternative Name :** SDNSF,LMAN1IP,Multiple coagulation factor deficiency protein 2,Neural stem cell-derived neuronal survival protein,MCFD2,F5F8D,DKFZp686G21263.

## Description

Source : Escherichia Coli. MCFD2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 136 amino acids (27-146 a.a.) and having a molecular wieght of 20.9kDa. The MCFD2 is is fused to 16 a.a. T7-Tag at N-terminus and purified by proprietary chromatographic techniques. The MCFD2-LMAN1 complex forms an explicit cargo receptor for the ER-to-Golgi transport of selected proteins. MCFD2 is involved in the secretion of coagulation factors. MCFD2 is expressed by neural stem/progenitor cells of the hippocampus, and localized to region where neurogenesis persists throughout life. MCFD2 prevents NSC cell death and maintains stem cell characteristics. MCFD2 forms a complex with LAMN1 that facilitates the transport of coagulation factors V and VIII from the endoplasmic reticulum to the Golgi apparatus through an endoplasmic reticulum Golgi intermediate compartment. Mutations in the MCFD2 cause Factor V and Factor VIII combined deficiency.

## Product Info

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| **Amount :** | 25 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | The MCFD2 protein solution contains 20mM Tris-HCl, pH-7.5, 100mM NaCl and 10% glycerol. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MASMTGGQQM GRGSHMEEPA ASFSQPGSMG LDKNTVHDQE HIMEHLEGVI NKPEAEMSPQ ELQLHYFKMH DYDGNNLLDG LELSTAITHV HKEEGSEQAP LMSEDELINI IDGVLRDDDK NNDGYIDYAE FAKSLQ. |