www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

MCFD2 Human

Catalog #:PRPS-776

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MASMTGGQQM GRGSHMEEPA ASFSQPGSMG LDKNTVHDQE HIMEHLEGVI NKPEAEMSPQ ELQLHYFKMH DYDGNNLLDG LELSTAITHV HKEEGSEQAP LMSEDELINI IDGVLRDDDK NNDGYIDYAE FAKSLQ.

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

Formulation:
The MCFD2 protein solution contains 20mM Tris-HCl, pH-7.5, 100mM NaCl and 10% glycerol.

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 drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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 throµghout 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 throµgh an endoplasmic reticulum Golgi intermediate compartment. Mutations in the MCFD2 cause Factor V and Factor VIII combined deficiency.

To place an order, please Click HERE.