9051 Mira Mesa Blvd, #910094
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MCFD2 Human

Multiple Coagulation Factor Deficiency 2 Human Recombinant
RCP1338

Product Overview

Name	MCFD2 Human

Description

Multiple Coagulation Factor Deficiency 2 Human Recombinant

Accession (Primary)	Q8NI22

Synonyms

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

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 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.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MASMTGGQQM GRGSHMEEPA ASFSQPGSMG LDKNTVHDQE HIMEHLEGVI NKPEAEMSPQ ELQLHYFKMH

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DYDGNNLLDG LELSTAITHV HKEEGSEQAP LMSEDELINI IDGVLRDDDK NNDGYIDYAE FAKSLQ.

Precautions

MCFD2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8NI22)