Recombinant Human MCFD2, T7-tagged

Cat. No. MCFD2-1836H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MCFD2 fused to T7-tag at N-terminus was expressed in*E.coli*and purified by using conventional chromatography techniques.MW = 15.1 kDa (136aa).
Species	Human
Source	E.coli
Description	Multiple coagulation factor deficiency 2 (MCFD2), also known as SDNSF. This is expressed by neural stem/progenitor cells of the hippocampus, and localized to region where neurogenesis persists throughout life. It has been found to prevent NSC cell death and to maintain stem cell characteristics. This protein forms a complex with LAMN1 that facilitates the transport of coagulation factors V and VIII from the endoplasmic reticulum to the Golgi apparatus via an endoplasmic reticulum Golgi intermediate compartment. Mutations in the MCFD2 gene may cause Factor V and Factor VIII combined deficiency.
Form	Liquid. In 20mM Tris-HCl buffer (pH7.5) containing 100mM NaCl, 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MASMTGGQQM GRGSHMEEPA ASFSQPGSMG LDKNTVHDQE HIMEHLEGVI NKPEAEMSPQ ELQLHYFKMH DYDGNNLLDG LELSTAITHVHKEEGSEQAP

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	LMSEDELINI IDGVLRDDDK NNDGYIDYAE FAKSLQ.
Storage	can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	MCFD2 multiple coagulation factor deficiency 2 [Homo sapiens]
Synonyms	multiple coagulation factor deficiency 2; F5F8D; SDNSF; LMAN1IP; DKFZp686G21263; MCFD2; neural stem cell derived neuronal survival protein; OTTHUMP00000203115; multiple coagulation factor deficiency protein 2; OTTHUMP00000203117; OTTHUMP00000203119; OTTHUMP00000203118; Neural stem cell-derived neuronal survival protein
Gene ID	90411
mRNA Refseq	NM_001171506
Protein Refseq	NP_001164977
MIM	607788
UniProt ID	Q8NI22
Chromosome Location	2p21
Function	calcium ion binding

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