

MCFD2 recombinant protein

MCFD2, 27-146aa, Human, T7 tag, E Coli

CATALOG # AAA48572	HOST E Coli	APPLICATIONS SDS-Page
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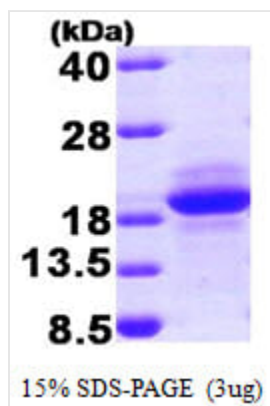
PRODUCT SYNONYMS

MCFD2; 27-146aa; Human; T7 tag; E Coli; Multiple coagulation factor deficiency 2; SDNSF; LMAN1IP; Multiple coagulation factor deficiency 2 MCFD 2; DKFZp686G21263; F5F8D; Neural stem cell derived neuronal survival protein; Multiple coagulation factor deficiency protein 2.; MCFD2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 7.5) containing 100mM NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MASMTGGQQM GRGSHMEIPA ASFSQPGSMG LDKNTVHDQE HIMEHLEGI NKPEAEMSPQ ELQLHYFKMH DYDGNLLDG LELSTAITHV HKEEGSEQAP LMSEDELINI IDGVLRDDDK NNDGYIDYAE FAKSLQ
Sequence Length	146
Applicable Applications for MCFD2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	T7 tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MCFD2 recombinant protein	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. Recombinant human MCFD2, fused to T7-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for MCFD2 recombinant protein	Signal Transduction
References	Zhanq B., et al. (2005) Biol Chem. 280 (27):25881-6. ; Mohanty D., et al. (2005) Am J Hematol. 79:262-266. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	21281683
NCBI GeneID	90411
NCBI Accession #	NP_644808
NCBI GenBank Nucleotide #	NM_139279.5
UniProt Accession #	Q8NI22; Q53SS3; Q68D61; Q8N3M5; A8K7W2; D6W5A9; E9PD95
Molecular Weight	15.1 kDa (136aa), confirmed by MALDI-TOF.
NCBI Official Full Name	multiple coagulation factor deficiency protein 2 isoform A
NCBI Official Synonym Full Names	multiple coagulation factor deficiency 2
NCBI Official Symbol	MCFD2
NCBI Official Synonym Symbols	F5F8D; SDNSF; F5F8D2; LMAN1IP
NCBI Protein Information	multiple coagulation factor deficiency protein 2
UniProt Protein Name	Multiple coagulation factor deficiency protein 2
UniProt Gene Name	MCFD2
UniProt Synonym Gene Names	SDNSF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mcfd2-recombinant-protein-e-coli-sds-page/48572>