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## Product Data Sheet

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Product Name: SMNDC1 Human  
 Cat. No.: GP24619  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SMNR; SMN-related protein; SPF30; Survival Motor Neuron Domain Containing 1; 30kDa Splicing Factor SMNrp; Splicing Factor 30; Survival of Motor Neuron-related.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSEDLAKQLA SYKAQLQQVE AALSGNGENE DLLKLLKDLQ EVIELTKDLL STQPSETLAS SDSFASTOPT HSWKVGDKCM AVWSEGDQCY EAEIEEIDEE NGTAAITFAG YGNAEVTPLL NLKPVEEGRK AKEDSGNKPM SKKEMIAQQR EYKKKKALKK AQRILELEQE REDQKVKWQQ FNNRAYSKNK KGQVKRSIFA SPESVTGKVG VGTTCGIADKP MTQYQDTSKY NVRHLMPQ		
Formulation	The SMNDC1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.		

### Introduction

SMNDC1 is a vital splicing factor obligatory for spliceosome assembly which is a part of the SMN family. SMNDC1 has one Tudor domain with significant similarity to Survival Motor Neuron (SMN) and is expressed in heart, pancreas and skeletal muscle, localizing to Cajal bodies and nuclear speckles. Mutations in SMNDC1 are cause of autosomal recessive proximal spinal muscular atrophy.

### 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. Please avoid freeze thaw cycles.

### Background

SMNDC1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 258 amino acids (1-238a.a.) and having a molecular mass of 28.9kDa. SMNDC1 is fused

**Caution: Product has not been fully validated for medical applications. For research use only.**

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to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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