

SMNDC1/SPF30 Protein, Human (His)

Cat. No.:	HY-P73635
Synonyms:	Survival of motor neuron-related-splicing factor 30; SMNDC1; SMNR; SPF30
Species:	Human
Source:	E. coli
Accession:	O75940 (M1-Q238)
Gene ID:	10285
Molecular Weight:	Approximately 29 kDa

PROPERTIES

AA Sequence	<pre> M S E D L A K Q L A S Y K A Q L Q Q V E A A L S G N G E N E D L L K L K K D L Q E V I E L T K D L L S T Q P S E T L A S S D S F A S T Q P T H S W K V G D K C M A V W S E D G Q C Y E A E I E E I D E E N G T A A I T F A G Y G N A E V T P L L N L K P V E E G R K A K E D S G N K P M S K K E M I A Q Q R E Y K K K K A L K K A Q R I K E L E Q E R E D Q K V K W Q Q F N N R A Y S K N K K G Q V K R S I F A S P E S V T G K V G V G T C G I A D K P M T Q Y Q D T S K Y N V R H L M P Q </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of sterile 50 mM Tris-HCL, 300 mM NaCl, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween 80.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SMNDC1/SPF30 protein plays a crucial role in spliceosome assembly, forming associations with spliceosomes and U4/U5/U6 tri-snRNP, as well as U2 snRNP. It directly interacts with SNRPD3 through its Tudor domain, emphasizing its involvement in critical interactions within the splicing machinery, contributing to the intricate process of pre-mRNA splicing.
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Caution: Product has not been fully validated for medical applications. For research use only.

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