

32-4870: Recombinant Human Survival Motor Neuron Domain Containing 1

Alternative Name : SMNR, SMN-related protein, SPF30, Survival Motor Neuron Domain Containing 1, 30kDa Splicing Factor SMNrp, Splicing Factor 30, Survival of Motor Neuron-related.

Description

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

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The SMNDC1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SGLVPRGSH MSED LAKQLA SYKAQLQQVE AALSGNGENE DLLKLKDLQ EVIELTKDLL STQPSETLAS SDSFASTQPT HSWKVGDKCM AVWSEGDGQCY EAEIEEIDEE NGTAAITFAG YGNAEVTPLL NLKPVEEGRK AKEDSGNKPM SKKEMIAQQR EYK K K K KALKK AQRIKELEQE REDQKVKWQQ FNNRAYSKNK KGQVKRSIFA SPESVTGKVG VGTTCGIADKP MTQYQDTSKY NVRHLMPQ

