**SMNDC1, 1-238aa, Human, His tag, E.coli**

**Cat.NO.: TP03970**

3th Edition

**Synonyms:**Survival of motor neuron-related-splicing factor 30, Survival of motor neuron-related-splicing factor 30

**Description:**SMNDC1 (survival motor neuron domain containing 1) is an essential splicing factor required for spliceosome assembly that belongs to the SMN family. It contains one Tudor domain with significant similarity to SMN (Survival Motor Neuron) and is expressed in skeletal muscle, pancreas and heart, localizing to Cajal bodies and nuclear speckles. Mutations in which are cause of autosomal recessive proximal spinal muscular atrophy. Recombinant human SMNDC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl

**Molecular Weight:**28.9kDa (258aa), confirmed by MALDI-TOF

**Sequences:**
MGSSHHHHHHSSGLVPRGSHMSEDLAKQLASYKAQLQQVEAALSGNGENEDLLKLKKDLQEVIELTKDLLSTQPS
ETLASSDSFASTQPTHSWKVGDKCMAVWSEDGQCYEAEIEEIDEENGTAAITFAGYGNAEVTPLLNLKPVEEGRKA
KEDSGNKPMSKKEMIAQQREYKKKKALKKAQRIKELEQEREDQKVKWQQFNNRAYSKNKKGQVKRSIFASPESVT
GKVGVGTCGIADKPMTQYQDTSKYNVRHLMPQ

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.