

Recombinant Human SMNDC1, His-tagged

Cat. No. SMNDC1-31197TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SMNDC1 with an N terminal His tag ; predicted mwt: 28.9 kDa.
Species	Human
Source	E.coli
ProteinLength	238 amino acids
Description	This gene is a paralog of SMN1 gene, which encodes the survival motor neuron protein, mutations in which are cause of autosomal recessive proximal spinal muscular atrophy. The protein encoded by this gene is a nuclear protein that has been identified as a constituent of the spliceosome complex. This gene is differentially expressed, with abundant levels in skeletal muscle, and may share similar cellular function as the SMN1 gene.
Conjugation	HIS
Molecular Weight	28.900kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 100mM Sodium

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	chloride, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMSEDLAKQLASYKAQLQQVEAALSGNGENEDLLKL KKDLQEVIELTKDLLSTQPSETLASSDSFASTQPTHSWKVGDKCMAVWSEDGQCYE AEIEEIDEENGTAITFAGYGNAEVTPLLNLKPVEEGRKAKEDSGNKPMSSKKEMIAQ QREYKKKKALKKAQRIKELEQEREDQKVWQQFNNRAYSKNKKGQVKRSIFASPES VTGKVGVGTCGIADKPMTQYQDTSKYNVRHLMPQ

GENE INFORMATION

Gene Name	SMNDC1 survival motor neuron domain containing 1 [Homo sapiens]
Official Symbol	SMNDC1
Synonyms	SMNDC1; survival motor neuron domain containing 1; survival of motor neuron-related-splicing factor 30; SMNR; SPF30; splicing factor 30; survival of motor neuron related;
Gene ID	10285
mRNA Refseq	NM_005871
Protein Refseq	NP_005862
MIM	603519
Uniprot ID	O75940

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Chromosome Location	10q23
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem;
Function	RNA binding; protein binding;

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