

## Product datasheet for PH303791

### SMNDC1 (NM\_005871) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SMNDC1 MS Standard C13 and N15-labeled recombinant protein (NP_005862)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203791
Predicted MW:	26.7 kDa
Protein Sequence:	>RC203791 protein sequence Red=Cloning site Green=Tags(s)  MSEDLAKQLASYKAQLQQVEAALSGNGENEDLLKLLKDLQEVIELTKDLLSTQPSETLASSDSFASTQPT HSWKVGDKCMVWSEGDGQCYEAEIEEIDEENGTAAITFAGYGNAEVTPLLNLKPVEEGRKAKEDSGNKPM SKKEMIAQQREYKKKKALKKAQRRIKELEQEREDQVKWQQFNNRAYSKNKKGQVKRSIFASPESVTGKVG VGTGCIADKPMYQDTSKYNVRLMPQ  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_005862</a>
RefSeq Size:	2043
RefSeq ORF:	714
Synonyms:	SMNR; SPF30; TDRD16C
Locus ID:	10285
UniProt ID:	<a href="#">O75940</a>



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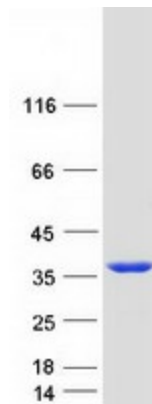
Cytogenetics: 10q25.2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** Spliceosome

### Product images:



Coomassie blue staining of purified SMNDC1 protein (Cat# [TP303791]). The protein was produced from HEK293T cells transfected with SMNDC1 cDNA clone (Cat# [RC203791]) using MegaTran 2.0 (Cat# [TT210002]).