

## Product datasheet for PH304263

### C7orf30 (MALSU1) (NM\_138446) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	C7orf30 MS Standard C13 and N15-labeled recombinant protein (NP_612455)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204263
Predicted MW:	26.2 kDa
Protein Sequence:	>RC204263 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGPGRVARLLAPLMWRRVSSVAGSAVGAEPGLRLLAVQRLPVGAFCRACQTPNFVRGLHSEPLEER  
AEGTVNEGRPESDAADHTGPKFDIDMMVSLLRQENARDICVIQVPEMRYTDYFVIVSGTSTRHLHMAF  
YVVKMYKHLKCKRDPHVKIEGKDTDDWLCVDFGSMVIHMLPETREIYELEKLWTLRSYDDQLAQIAPET  
VPEDFILGIEDDTSSVTPVELKCE

**TR**TRPLE**QKLISEEDLA**NDILDYKDDDDKV

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_612455</a>
RefSeq Size:	774
RefSeq ORF:	702
Synonyms:	C7orf30; mtRsfA
Locus ID:	115416
UniProt ID:	<a href="#">Q96EH3</a>

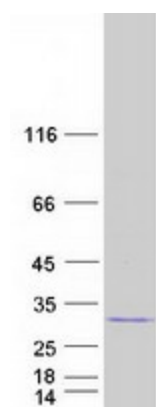


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**Cytogenetics:** 7p15.3

**Summary:** Required for normal mitochondrial ribosome function and mitochondrial translation (PubMed:22238375, PubMed:23171548). May play a role in ribosome biogenesis by preventing premature association of the 28S and 39S ribosomal subunits (Probable). Interacts with mitochondrial ribosomal protein L14 (MRPL14), probably blocking formation of intersubunit bridge B8, preventing association of the 28S and 39S ribosomal subunits (Probable). Addition to isolated mitochondrial ribosomal subunits partially inhibits translation, probably by interfering with the association of the 28S and 39S ribosomal subunits and the formation of functional ribosomes (Probable). May also participate in the assembly and/or regulation of the stability of the large subunit of the mitochondrial ribosome (PubMed:22238376, PubMed:23171548). May function as a ribosomal silencing factor (Probable).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified MALSU1 protein (Cat# [TP304263]). The protein was produced from HEK293T cells transfected with MALSU1 cDNA clone (Cat# [RC204263]) using MegaTran 2.0 (Cat# [TT210002]).