

## Product datasheet for PH315649

### SUNC1 (SUN3) (NM\_001030019) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SUN3 MS Standard C13 and N15-labeled recombinant protein (NP_001025190)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215649
Predicted MW:	40.3 kDa
Protein Sequence:	>RC215649 representing NM_001030019 Red=Cloning site Green=Tags(s)  MSGKTKARRAAMFFRRCSSEDASGSASGNALLSEDENPDANGVTRSWKIIILSTMLTLTFLLVGLLNHQWLK ETDVPQKSRQLYAIIEYGSRLYKYQARLRMPKEQLELLKKESQNLNFRQILFLIEQIDVLKALLRDM KDGMDNNHNWTHGDPVEDPDHTEEVSNLVNYVLKLRDQVEMADYALKSAGASIIIEAGTSESYKNNKA KLYWHGIGFLNHEMPDIIILQPDVYPGKCWAFPGSQGHTLIKLATKIIPAVTMEHISEKVSPSGNISSA PKEFSVYGITKKCEGEEIFLGQFIYNKTGTTVQTFELQHAVSEYLLCVKLNIFSNWGHPKYTCLYRFRVH GTPGKHI  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	<u>NP_001025190</u>
RefSeq Size:	1452
RefSeq ORF:	1071
Synonyms:	SUNC1
Locus ID:	256979



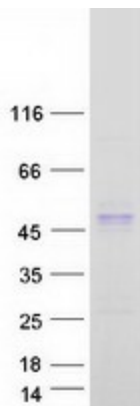
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UniProt ID: [Q8TAQ9](#)

Cytogenetics: 7p12.3

**Summary:** As a probable component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. May be involved in nuclear remodeling during sperm head formation in spermatogenesis. A probable SUN3:SYNE1 LINC complex may tether spermatid nuclei to posterior cytoskeletal structures such as the manchette.[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified SUN3 protein (Cat# [TP315649]). The protein was produced from HEK293T cells transfected with SUN3 cDNA clone (Cat# [RC215649]) using MegaTran 2.0 (Cat# [TT210002]).