OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH306129

SUNC1 (SUN3) (NM_152782) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SUN3 MS Standard C13 and N15-labeled recombinant protein (NP_689995)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206129
Predicted MW:	40.5 kDa
Protein Sequence:	>RC206129 protein sequence Red=Cloning site Green=Tags(s) MSGKTKARRAAMFFRRCSEDASGSASGNALLSEDENPDANGVTRSWKIILSTMLTLTFLLVGLLNHQWLK ETDVPQKSRQLYAIIAEYGSRLYKYQARLRMPKEQLELLKKESQNLENNFRQILFLVEQIDVLKALLRDM KDGMDNNHNWNTHGDPVEDPDHTEEVSNLVNYVLKKLREDQVEMADYALKSAGASIIEAGTSESYKNNKA KLYWHGIGFLNHEMPPDIILQPDVYPGKCWAFPGSQGHTLIKLATKIIPTAVTMEHISEKVSPSGNISSA PKEFSVYGITKKCEGEEIFLGQFIYNKTGTTVQTFELQHAVSEYLLCVKLNIFSNWGHPKYTCLYRFRVH GTPGKHI 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_689995
RefSeq Size:	1368
RefSeq ORF:	1071
Synonyms:	SUNC1
Locus ID:	256979

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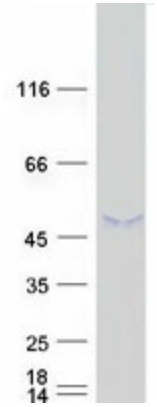
UniProt ID: Q8TAQ9

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 spermatogenenis. 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# [TP306129]). The protein was produced from HEK293T cells transfected with SUN3 cDNA clone (Cat# [RC206129]) using MegaTran 2.0 (Cat# [TT210002]).