Recombinant Human SUN3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SUN3-3549H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SUN3 MS Standard C13 and N15-labeled recombinant protein (NP_001025190) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	40.3 kDa
AA Sequence	MSGKTKARRAAMFFRRCSEDASGSASGNALLSEDENPDANGVTRSWKIILSTMLTL TFLLVGLLNHQWLKETDVPQKSRQLYAIIAEYGSRLYKYQARLRMPKEQLELLKKES QNLENNFRQILFLIEQIDVLKALLRDMKDGMDNNHNWNTHGDPVEDPDHTEEVSNL VNYVLKKLREDQVEMADYALKSAGASIIEAGTSESYKNNKAKLYWHGIGFLNHEMPP DIILQPDVYPGKCWAFPGSQGHTLIKLATKIIPTAVTMEHISEKVSPSGNISSAPKEFS

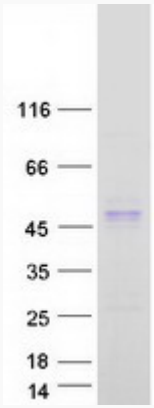
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	VYGITKKCEGEEIFLGQFIYNKTGTTVQTFELQHAVSEYLLCVKLNIFSNWGHPKYTC LYRFRVHGTPGKHITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SUN3 Sad1 and UNC84 domain containing 3 [Homo sapiens (human)]
Official Symbol	SUN3
Synonyms	SUN3; Sad1 and UNC84 domain containing 3; Sad1 and UNC84 domain containing 1, SUNC1; SUN domain-containing protein 3; MGC33329; Sad1 and UNC84 domain containing 1; sad1/unc-84 domain-containing protein 1; SUNC1;
Gene ID	256979
mRNA Refseq	NM_001030019
Protein Refseq	NP_001025190
MIM	618984

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UniProt ID	Q8TAQ9
SDS-PAGE	

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