

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 spermatogenesis. 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	MSGKTKARRAAMFFRRCSEDASGSASGNALLSEDENPDANGVTRSWKIILSTMTLT TFLLVGLLNHQWLKETDVPQKSRQLYAIIEAGTSESYKNNKAKLYWHGIGFLNHEMP QNLNNFRQILFLIEQIDVLKALLRDMKDGMDNNHNWNTHGDPVEDPDHTEEVSNL VNYVLKKLREDQVEMADYALKSAGASIIIEAGTSESYKNNKAKLYWHGIGFLNHEMP DIILQPDVYPGKCWAFPGSQGHTLIKLATKIIPAVTMEHISEKVSPSGNISSAPKEFS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

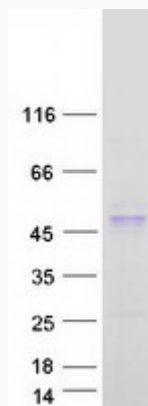
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q8TAQ9

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA