

Recombinant Human SUN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SUN2-1989H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SUN2 MS Standard C13 and N15-labeled recombinant protein (NP_056189) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	SUN1 and SUN2 are inner nuclear membrane (INM) proteins that play a major role in nuclear-cytoplasmic connection by formation of a 'bridge' across the nuclear envelope, known as the LINC complex, via interaction with the conserved luminal KASH domain of nesprins (e.g., SYNE1) located in the outer nuclear membrane (ONM). The LINC complex provides a direct connection between the nuclear lamina and the cytoskeleton, which contributes to nuclear positioning and cellular rigidity.
Molecular Mass	80.1 kDa
AA Sequence	MSRRSQRLTRYSQGDDDGSSSSGGSSVAGSQSTLFKDSPLRTLKRKSSNMKRLSP APQLGPSSDAHTSYYESLVHESWFPPrSSLEELHGDANWGEDLRVRRRRGTGGS ESSRASGLVGRKATEDFLGSSSGYSSDDYVGYSVDVQSSSSRLRSVSRAGSL LWMVATSPGRLFRLLYWWAGTTWYRLTTAASLLDVFLTRRFSSLKTFLLPLLL LTCLTYGAWYFYPYGLQTFHPALVSWWAAKDSRRPDEGWEARDSSPHFQAEQRV MSRVHSLERRLEALAAEFSSNWQKEAMRLERLELRQGAPGGGGGGLSHEDTLAL LEGLVSRREAALKEDFRRETAARIQEELSALRAEHQQDSEDLFKKIVRASQSEARIQ

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QLKSEWQSMTQESFQESSVKELRRLEDQLAGLQQELAALALKQSSVAEEVGLLPQ
 QIQAVRDDVESQFPAWISQFLARGGGGRVGLLQREEMQAQLRELESKILTHVAEMQ
 GKSAREAAASLSLTLQKEGVIGVTEEQVHHIVKQALQRYSEDRIGLADYALESGGAS
 VISTRCSETYETKTALLSLFGIPLWYHSQSPRVILQPDVHPGNCWAFQGPQGFAVVR
 LSARIRPTAVTLEHVPKALSPNSTISSAPKDFAIFGFDEDLQQEGTLLGKFTYDQDGE
 PIQTFHFQAPTMATYQVVELRILTNRWGHPEYTCIYRFRVHGEPATRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

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 SUN2 Sad1 and UNC84 domain containing 2 [Homo sapiens (human)]

Official Symbol SUN2

Synonyms SUN2; Sad1 and UNC84 domain containing 2; unc 84 homolog B (C. elegans), UNC84B; SUN domain-containing protein 2; rab5IP; unc-84 homolog B; nuclear envelope protein; protein unc-84 homolog B; rab5-interacting protein; sad1/unc-84 protein-like 2; Sad1 unc-84 domain protein 2; UNC84B; KIAA0668; MGC133055; MGC133056;

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Gene ID	25777
mRNA Refseq	NM_015374
Protein Refseq	NP_056189
MIM	613569
UniProt ID	Q9UH99
SDS-PAGE	