

Recombinant Human SUN2 Protein, MYC/DDK-tagged

Cat. No. SUN2-3017H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUN2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	SUN1 (MIM 607723) 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; MIM 608441) 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 (summary by Haque et al., 2010 [PubMed 19933576]).
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	80.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	SUN2 Sad1 and UNC84 domain containing 2 [Homo sapiens]
Official Symbol	SUN2
Synonyms	UNC84B; UNC84B
Gene ID	25777
mRNA Refseq	NM_001199579
Protein Refseq	NP_001186508
MIM	613569
UniProt ID	Q9UH99

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