

Recombinant Human NUP93 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUP93-509H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUP93 MS Standard C13 and N15-labeled recombinant protein (NP_055484) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. This gene encodes a nucleoporin protein that localizes both to the basket of the pore and to the nuclear entry of the central gated channel of the pore. The encoded protein is a target of caspase cysteine proteases that play a central role in programmed cell death by apoptosis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	93.6 kDa
AA Sequence	MDTEGFGELLQQAEQLAAETEGISELPHVERNLQEIQQAGERLRSRTLTRTSQETAD VKASVLLGSRGLDISHISQRLESLAATTFEPLPVKDTDIQGFLKNEKDNALLSAIEE SRKRTFGMAEEYHRESMLVEWEQVKQRILHTLLASGEDALDFTQESEPSYISDVGP PGRSSLDNIEMAYARQIYIYNEKIVNGHLQPNLVDLCASVAELDDKSISDMWTMVKQ MTDVLLTPATDALKNRSSVEVRMEFVRQALAYLEQSYKNYTLTVFGNLHQAQLGG

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VPGTYQLVRSFLNIKLPAPLPGLQDGEVEGHPVWALIYYCMRCGDLLAASQVVNRA
 QHQLGEFKTWFEYMNKDRRLSPATENKLRLHYRRALRNNTDPYKRAVYCIIGRC
 DVTDNQSEVADKTEDYLWLKLNQVCFDDDGTSPPQDRLTSLQFQKQLLEDYGESH
 FTVNQPPFLYFQVLFLTAQFEAAVAFLFRMERLRCHAVHVALVLFELKLLKSSGQR
 AQLLSHEPGDPPCLRRLLNFVRLMLYTRKFESTDPREALQYFYFLRDEKDSQGENM
 FLRCVSELVIESREFDMILGKLENDGSRKPGVIDKFTSDTKPIINKVASVAENKGLFEE
 AAKLYDLAKNADKVLELMNKLLSPVVPQISAPQSNKERLKNMALSIAERYRAQGISEAN
 KFVDSTFYLLLDLITFFDEYHSGHIDRAFDIERLKLVLNQUESVEERVAEFRNFSDEIR
 HNLSEVLLATMNILFTQFKRLKGTSPSSSSRPQRVIEDRDSQLRSQARTLITFAGMIP
 YRTSGDTNARLVQMEVLMNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	NUP93 nucleoporin 93kDa [Homo sapiens (human)]
Official Symbol	NUP93
Synonyms	NUP93; nucleoporin 93kDa; nuclear pore complex protein Nup93; KIAA0095; nucleoporin Nup93; 93 kDa nucleoporin; NIC96; MGC21106;

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Gene ID	9688
mRNA Refseq	NM_014669
Protein Refseq	NP_055484
MIM	614351
UniProt ID	Q8N1F7
SDS-PAGE	