

Recombinant Human UNC45A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UNC45A-863H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UNC45A MS Standard C13 and N15-labeled recombinant protein (NP_001034764) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a regulatory component of the progesterone receptor/heat shock protein 90 chaperoning complex, which functions in the assembly and folding of the progesterone receptor. The encoded protein is thought to be essential for normal cell proliferation, and for the accumulation of myosin during development of muscle cells.
Molecular Mass	101.7 kDa
AA Sequence	MTASSVEQLRKEGNELFKCGDYGGALAAAYTQALGLDATPQDQAVLHRNRAACHLK LEDYDKAETEASKAIEKDGGDVKALYRRSQALEKLGRLDQAVLDLQRCVSLEPKNKV FQEALRNIGGGQIQEKVRYMSSTDAKVEQMFQILLDPEEKGTEKKQKASQNLVVLARE DAGAEIFRSNGVQLLQRLDMGETDLMLAALRTLVGICSEHQSRVTATLSILGTRRV VSILGVESQAVSLAACHLLQVMFDALKEGVKKGFRGKEGAIIVDPARELKVLIISNLLDL LTEVGVSGQGRDNALTLLIKAVPRKSLKDPNNSLTWVIDQGLKKILEVGGSLQDPP GELAVTANSRMSASILLSKLFDDLKCD AERENFHRLCENYIKSWFEGQGLAGKLRAI QTVSCLLQGPCDAGNRALELSGVMESVIALCASEQEEELVAVEALIHAAGKAKRAS FITANGVSLLKDLYKCSEKDSIRIRALVGLCKLGSAGGTDFSMKQFAEGSTLKLAKQC

 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

RKWLCNDQIDAGTRRWAVEGLAYLTFDADVKEEFVEDAAALKALFQLSRLEERSVL
 FAVASALVNCTNSYDYEEPDPKMVELAKYAKQHVPEQHPKDKPSFVRARVKKLLAA
 GVVSAMVCMVKTESPVLTSRELLSRVFLALVEEVEDRGTVVAQGGGRALIPLALE
 GTDVGQTKAAQALAKLTITSNPEMTFPGERIYEVVRPLVSLHLNCSGLQNFEALMA
 LTNLAGISERLRQKILKEKAVPMIEGYMFEEHEMIRRAATECMCNLAMSKEVQDLFE
 AQGNDRLKLLVLYSGEDDELLQRAAAGGLAMLTSMRPTLCSRIPQVTTTHWLEILQAL
 LLSSNQELQHRGAVVVLNMVEASREIASTLMESEMMEILSVLAKGDHSPVTRAAAAC
 LDKAVEYGLIQPNQDGETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	UNC45A unc-45 myosin chaperone A [Homo sapiens (human)]
Official Symbol	UNC45A
Synonyms	UNC45A; unc-45 homolog A (C. elegans); protein unc-45 homolog A; GC UNC45; SMAP 1; smooth muscle cell associated protein 1; UNC-45A; general cell UNC45; smooth muscle cell associated protein-1; smooth muscle cell-associated protein 1; SMAP1; SMAP-1; GCUNC45; GC-UNC45; GCUNC-45; IRO039700; FLJ10043;

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Gene ID	55898
mRNA Refseq	NM_001039675
Protein Refseq	NP_001034764
MIM	611219
UniProt ID	Q9H3U1
SDS-PAGE	