

## Product datasheet for PH306953

### UNC45A (NM\_001039675) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UNC45A MS Standard C13 and N15-labeled recombinant protein (NP_001034764)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206953
Predicted MW:	101.7 kDa
Protein Sequence:	>RC206953 protein sequence Red=Cloning site Green=Tags(s)

MTASSVEQLRKEGNELFKCGDYGGALAAAYTQALGLDTPQDQAVLHRNRAACHLKLEDYDKAETEASKAI  
EKDGGDVKALYRRSQALEKLGRLDQAVLDLQRCVSLPKNKVFQEALRNIGGQIQEKVRYMSSTDAKVEQ  
MFQILLDPEEKGTTEKKQKASQNLVVLAREDAEAEKIFRSNGVQLLQRLDLMGETDLMLAALRTLVGICSE  
HQSRVATLSILGTRRVVSILGVESQAVSLAACHLLQVMFDALKEGVKKGFRGKEGAIIVDPARELKVLI  
SNLLDLLTEVGVSGQGRDNALTLIKAVPRKSLKDPNNSLTLWVIDQGLKKILEVGGSLQDPPGELAVTA  
NSRMSASILLSKLFDLKCDAERENFHRLCENYIKSWFEGQGLAGKLRAIQTVSCLLQGPCDAGNRALEL  
SGVMESVIALCASEQEEQLVAVEAL IHAAGKAKRASFI TANGVSLLKDLKCEKDSIRIRALVGLCKL  
GSAGGTDFSMKQFAEGSTLKLAKQCRKWL CNDQIDAGTRRWAVEGLAYLTFDADVKEEFVEDAAAALKALF  
QLSRLEERSVLF AVASALVNCTNSYDYEEPDKMVELAKYAKQHVPEQHPKDKPSFVRARVKLLAAGVV  
SAMVCMVKTESPVLTS SRELLSRVFLALVEEVEDRGTVVAQGGGRAL IPLALEGTDVGTQAAQALAKL  
TITSNPEMTFPGERIYEVVRPLVSLHLNCSGLQNF EALMALTNLAGISERLRQKILKEKAVPMIEGYMF  
EEHEMIRRAATECMCNLAMSKEVQDLFEAQGNDRLLKLLVLSGEDDELLQRAAAGGLAML TSMRPTLCSR  
IPQVTTHWLEILQALLSSNQELQHRGAVVVLNMVEASREIASTLMESEMMEILSVLAKGDHSPVTRAAA  
ACLDKAVEYGLIQPNQDGE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

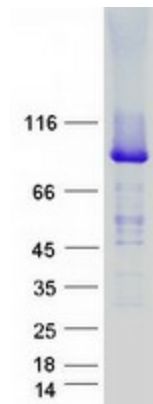


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RefSeq:	<a href="#">NP_001034764</a>
RefSeq Size:	4035
RefSeq ORF:	2787
Synonyms:	GC-UNC45; GCUNC-45; GCUNC45; IRO039700; OOHE; SMAP-1; SMAP1; UNC-45A
Locus ID:	55898
UniProt ID:	<a href="#">Q9H3U1</a>
Cytogenetics:	15q26.1

**Summary:** 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. [provided by RefSeq, Sep 2018]

### Product images:



Coomassie blue staining of purified UNC45A protein (Cat# [TP306953]). The protein was produced from HEK293T cells transfected with UNC45A cDNA clone (Cat# [RC206953]) using MegaTran 2.0 (Cat# [TT210002]).