

## Product datasheet for PH301446

### UBA1 (NM\_003334) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	UBA1 MS Standard C13 and N15-labeled recombinant protein (NP_003325)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201446
Predicted MW:	117.8 kDa
Protein Sequence:	>RC201446 protein sequence Red=Cloning site Green=Tags(s)

MSSSPLSKKRRVSGPDPKPGSNCSAQSVLSEVPSVPTNGMAKNGSEADIDEGLYSRQLYVLGHEAMKRL  
QTSSVLVSGLRGLGVEIAKNIILGGVKAVTLHDQGTAAQWADLSSQFYLRREEDIGKNRAEVSQPRLAELNS  
YVPVTAYTGPLVEDFLSGFQVVVLTNTPLEDQLRVGEFCHNRGIKLVVADTRGLFGQLFCDFGEEMILTD  
SNGEQPLSAMVSMVTKDNPVVTCLDEARHGFESGDFVSFSEVQGMVELNGNQPMKIKVLGPYTFISICDT  
SNFSDYIRGGIVSQVKVPKKISFKSLVASLAEPDFVVTDFAKFSRPAQLHIGFQALHQFCAQHGRPPRR  
NEEDAELVALAQAVNARALPAVQQNNLDEDLIRKLAYVAAGDLAPINAFIGGLAAQEVKACSGKFMPI  
MQWLYFDALCLPEDKEVLTEDKCLQRQNRDYGQVAVFGSDLQEKLGKQKYFLVGAGAIGCELLKNFAMI  
GLGCGEGGEIIVTDMDTIEKSNLNRQFLFRPVDVTKLKSDTAAAAVRQMNPHIRVTSHQNRVGPDTERIY  
DDDFQNLGDVANALDNVDARMYMDRRCVYYRKP LLESGTLGKGNVQVVIPFLTESYSSSQDPPEKSIP  
ICTLKNFPNAIEHTLQWARDEFGLFKQPAENVNQYLTDPKFVERTLRLAGTQPLEVLEAVQRSLVLQRP  
QTWADCVTWACHHWHWTQYSNNIRQLLHNFPPDQLTSSGAPFWSGPKRCPHPLTFDVNNPLHLDYVMAAAN  
LFAQTYGLTGSQDRAAVATFLQSVQVPEFTPKSGVKIHVSDQELQSANASVDDSRLEELKATLPSDKLP  
GFKMYPIDFEKDDSNFHMDFIVAASNLRAENYDIPSADRHKSKLIAGKIIPAIATTTAAVVGLVCLLEY  
KVVQGHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYNNQEWTLWDRFEVQGLQPNGEEMTLKQFLDYFK  
TEHKLEITMLSQGVSMLYSFFMPAAKLERLDQPMTEIVSRVSKRKLGRHVRLVLELCCNDESGEDVEV  
PVVRYTIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

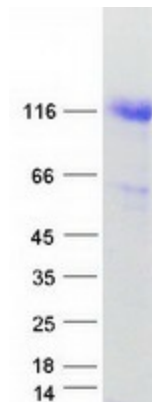
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



[View online »](#)

<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_003325</a>
<b>RefSeq Size:</b>	3616
<b>RefSeq ORF:</b>	3174
<b>Synonyms:</b>	A1S9; A1S9T; A1ST; AMCX1; CFAP124; GXP1; POC20; SMAX2; UBA1A; UBE1; UBE1X; VEXAS
<b>Locus ID:</b>	7317
<b>UniProt ID:</b>	<a href="#">P22314</a> , <a href="#">A0A024R1A3</a>
<b>Cytogenetics:</b>	Xp11.3
<b>Summary:</b>	The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq, Jul 2008]
<b>Protein Pathways:</b>	Parkinson's disease, Ubiquitin mediated proteolysis

### Product images:



Coomassie blue staining of purified UBA1 protein (Cat# [TP301446]). The protein was produced from HEK293T cells transfected with UBA1 cDNA clone (Cat# [RC201446]) using MegaTran 2.0 (Cat# [TT210002]).