OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH304675

UBE1C (UBA3) (NM_003968) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UBA3 MS Standard C13 and N15-labeled recombinant protein (NP_003959)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204675
Predicted MW:	51.7 kDa
Protein Sequence:	>RC204675 representing NM_003968 Red=Cloning site Green=Tags(s) MADGEEPERKRRRIEELLAEKMAVDGGCGDTGDWEGRWNHVKKFLERSGPFTHPDFEPSTESLQFLLDTC KVLVIGAGGLGCELLKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDIGRPKAEVAAEFLNDRVPNCN VVPHFNKIQDFNDTFYRQFHIIVCGLDSIIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNA RVILPGMTACIECTLELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFGEGVPLDGDDPEHIQW IFQKSLERASQYNIRGVTYRLTQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNNYLVFNDVDG LYTYTFEAERKENCPACSQLPQNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNRTLYLQSVTS IEERTRPNLSKTLKELGLVDGQELAVADVTTPQTVLFKLHFTS 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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.
RefSeq:	NP_003959
RefSeq Size:	2136
RefSeq ORF:	1389
Synonyms:	hUBA3; NAE2; UBE1C

View online »

Locus ID: 9039

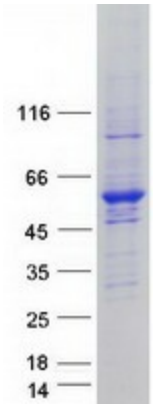
UniProt ID: Q8TBC4

Cytogenetics: 3p14.1

Summary: The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E1 ubiquitin-activating enzyme family. The encoded enzyme associates with AppBp1, an amyloid beta precursor protein binding protein, to form a heterodimer, and then the enzyme complex activates NEDD8, a ubiquitin-like protein, which regulates cell division, signaling and embryogenesis. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Pathways: Ubiquitin mediated proteolysis

Product images:



Coomassie blue staining of purified UBA3 protein (Cat# [TP304675]). The protein was produced from HEK293T cells transfected with UBA3 cDNA clone (Cat# [RC204675]) using MegaTran 2.0 (Cat# [TT210002]).