

Product datasheet for PH316801

UBE1C (UBA3) (NM_198195) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UBA3 MS Standard C13 and N15-labeled recombinant protein (NP_937838)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216801
Predicted MW:	49.9 kDa
Protein Sequence:	>RC216801 representing NM_198195 Red=Cloning site Green=Tags(s)

MADGEEPMAVDGGCGDTGDWEGRWNHVKKFLERSGPFTHPDFEPSTESLQFLLDTCVKLVIGAGGLGCEL
LKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDIGRPKAEVAAEFLNDRVPCNVVPHFNKIQDFNDT
FYRQFHIIIVCGLDSIIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNARVILPGMTACIECT
LELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFEGVPLDGDDPEHIQWIFQKSLERASQYNI
RGVTYRLTQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNLYL VFNDVDGLYTYTFAERKENC
PACSQLPQNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNRTL YLQSVTSIEERTRPNLSKTLK
ELGLVDGQELAVADVTPQT VLFKLFHFTS

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_937838
RefSeq Size:	2094
RefSeq ORF:	1347
Synonyms:	hUBA3; NAE2; UBE1C



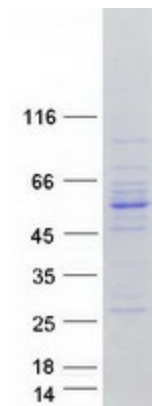
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Locus ID: 9039
UniProt ID: [Q8TBC4](#)
Cytogenetics: 3p14.1

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# [TP316801]). The protein was produced from HEK293T cells transfected with UBA3 cDNA clone (Cat# [RC216801]) using MegaTran 2.0 (Cat# [TT210002]).