

Product datasheet for TP304675M

UBE1C (UBA3) (NM_003968) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin-like modifier activating enzyme 3 (UBA3), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204675 representing NM_003968 Red=Cloning site Green=Tags(s)

MADGEEPERKRRRIEELLAEKMAVDGGCGDTGDWEGRWNVKFFLERSGPFTHPDFEPSTESLQFLDTC
KVLVIGAGGLGCELLKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDIGRPAEVAEFLNDRVPCNC
VVPFHNKIQDFNDTFYRQFHIIVCGLDSIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFKGNA
RVILPGMTACIECTLELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFGEVPLDGGDPEHIQW
IFQKSLERASQYNIRGVTYRLTQGVVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNNYLVFNDVDG
LYTYTFAERKENC PACSQLPQNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNTLYLQSVTS
IEERTRPNLSKTLKELGLVDGQELAVADVTTTPQTVLFLKHFTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	51.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_003959](#)

Locus ID: 9039

UniProt ID: [Q8TBC4](#)

RefSeq Size: 2136

Cytogenetics: 3p14.1

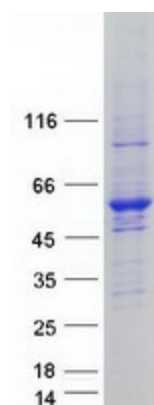
RefSeq ORF: 1389

Synonyms: hUBA3; NAE2; UBE1C

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]).