

## Product datasheet for **TP316801L**

### UBE1C (UBA3) (NM\_198195) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human ubiquitin-like modifier activating enzyme 3 (UBA3), transcript variant 2, 1 mg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC216801 representing NM_198195<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                          |

MADGEEPMAVDGGCGDGDWEGRWNVKFLERSGPFFTHPDFEPSTESLQFLDTCVKLVIGAGGLGCEL  
LKNLALSGFRQIHVIDMDTIDVSNLNRQFLFRPKDIGRPKAEVAAEFLNDRVPCNCNVVPHFNKIQDFNDT  
FYRQFHIVCGLDSIARRWINGMLISLLNYEDGVLDPSSIVPLIDGGTEGFGKGNARVILPGMTACIECT  
LELYPPQVNFPMCTIASMPRLPEHCIEYVRMLQWPKEQPFEGEVPLDGGDPEHIQWIFQKSLERASQYNI  
RGVTYRLTQGVKRIIPAVASTNAVIAAVCATEVFKIATSAYIPLNNYLVFNDVDGLYTYTFAERKENC  
PACSQLPQNIQFSPSAKLQEVLDYLTNSASLQMKSPAITATLEGKNRTLYLQSVTSIEERTRPNLSKTLK  
ELGLVDGQELAVADVTPQTTLFKLHFTS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 49.9 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\\_937838](#)

Locus ID: 9039

UniProt ID: [Q8TBC4](#)

RefSeq Size: 2094

Cytogenetics: 3p14.1

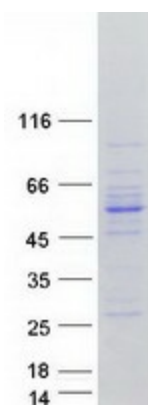
RefSeq ORF: 1347

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