

Recombinant Human UBA1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. UBA1-264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UBA1 MS Standard C13 and N15-labeled recombinant protein (NP_003325) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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]
Molecular Mass	117.8 kDa
AA Sequence	MSSSPLSKRRVSGPDPKPGSNCSAQSVLSEVPSVPTNGMAKNGSEADIDEGLY SRQLYVLGHEAMKRLQTSSVLVSGLRGLGVEIAKNIILGGVKAVTLHDQGTAWADL SSQFYLR EEDIGKNRAEVSQPRLAELNSYVPVTAYTGPLVEDFLSGFQVVVLTNTPL EDQLRVGEFCHNRGIKLVVADTRGLFGQLFCDFGEEMILTDSNGEQPLSAMVSMVT KDNPGVVTCLDEARHGFESGDFVSFSEVQGMVELNGNQPM EIKVLGPYTFSICDTS NFSDYIRGGIVSQVKVPKKISFKSLVASLAEPDFVVTDFAKFSRPAQLHIGFQALHQF CAQHGRPPRPRNEEDAAELVALAQAVNARALPAVQQNNLDEDLIRKLAYVAAGDLA

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PINAFIGGLAAQEV MKACSGKFMPIMQWLYFDALECLPEDKEVLTEDKCLQRQNRY
 DGQVAVFGSDLQEKLGKQKYFLVGAGAIGCELLKNFAMIGLGC GEGGEIIVTDMDTI
 EKS N LNRQFLFRPVDVTKLKSDTAAAAVRQMNPHIRVTSHQNRVGP DTERIYDDDF
 FQNL DGVANALDNVDARMYMDRRCVYYRKPLLESGLTGTGKNVQVVIPFLTESYSS
 SQDPPEKSIPICTLKNFPNAIEHTLQWARDEFEGFLFKQPAENVNQYLTD PKFVERTLR
 LAGTQPLEVLEAVQRSVLQRPQTWADCVTWACHHWHTQYSNNIRQLLHNFP PDQ
 LTSSGAPFWSGPKRCPHPLTFDVNNPLHLDYVMAAANLFAQTYGLTGSQDRAAVAT
 FLQSVQVPEFTPKSGVKIHVSDQELQSANASVDDSRLEELKATLPSPDKLP GFKMYP
 IDFEKDDDSNFHMDFIVAASNLR AENYDIPSADRHKSKLIAGKIIPA IATTTAAVVGLVC
 LELYKVVGHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYYNQEWTLWDRFEVQ
 GLQPNGEEMTLKQFLDYFKTEHKLEITMLSQGVSMLYSFFMPAAKLKERLDQPMTEI
 VSRVSKRKLGRHVRALVLELCCNDESGEDVEVPYVRYTIRTRTRPLEQKLISEEDLA
 ANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name UBA1 ubiquitin-like modifier activating enzyme 1 [Homo sapiens (human)]

Official Symbol UBA1

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Synonyms UBA1; ubiquitin-like modifier activating enzyme 1; A1S9T, GXP1, UBE1, ubiquitin activating enzyme E1, ubiquitin activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing); ubiquitin-like modifier-activating enzyme 1; POC20; POC20 centriolar protein homolog (Chlamydomonas); ubiquitin activating enzyme E1 homolog (yeast); UBE1X; POC20 centriolar protein homolog; UBA1, ubiquitin-activating enzyme E1 homolog A; A1S9T and BN75 temperature sensitivity complementing; A1S9; A1ST; GXP1; UBE1; A1S9T; AMCX1; SMAX2; UBA1A; MGC4781;

Gene ID 7317

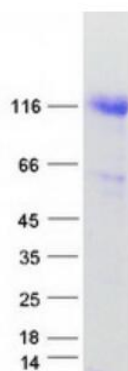
mRNA Refseq NM_003334

Protein Refseq NP_003325

MIM 314370

UniProt ID P22314

SDS-PAGE



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