

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
SRQLYVLGHEAMKRLQTSSVLVSGLRGLGVEIAKNIILGGVKAATLHDQGTAWADL
SSQFYLREEDIGKNRAEVSQPRLAELNSYVPVTAYTGPLVEDFLSGFQVVVLTNTPL
EDQLRVGGEFCHNRGIKLVVADTRGLFGQLFCDFGEEMILTDSNGEQPLSAMVSMVT
KDNPGVVTCLDEARHGFESGDFVSFSEVQGMVELNGNQPMI KVLGPYTFSICDTS
NFSDYIRGGIVSQVKVPKKISFKSLVASLAEPDFVVTDFAKFSRPAQLHIGFQALHQF
CAQHGRPPRPRNEEDAELVALAQAVNARALPAVQQNNLDEDLIRKLAYVAAGDLA

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PINAFIGGLAAQEV MKACSGKFMPI MQWLYFDAL ECLPEDKEVLTEDKCLQRQNR Y
DGQVAVFGSDLQEKL GKQKYFLVGAGAIGCELLKNFAMIGLGC GEGGEIIVTDM DTI
EKSNLNRQFLFRPVDVTKL KSDTAAAAVRQMNPHIRVTSHQNRVGP DTERIYDDDF
FQNL DGVANALDNVDARMYMDRRCVYYRKP LLESGTLGTKGNVQVVIPFLTESYSS
SQDPPEKSIPICTLKNFPNAIEHTLQWARDEFEG LFKQPAENVNQYL TDPKFVERTLR
LAGTQPLEVLEAVQRS LVLQRPQTWADCVTWACHHWHTQYSNNIRQL LHNFPPDQ
LTSSGAPFWSGPKRCPHPLTFDVNNPLHLDYVMAAANLFAQTYGLTGSQDRAAVAT
FLQSVQVPEFTPKSGVKI HVSDQELQSANASVDDSRLEELKATLPSPDKLP GFKMYP
IDFEKDDDSNFHMDFIVAASNLR AENYDIPSADRHKSKLIAGKIIPAIATTTAAV VGLVC
LELYKV VQGHRQLDSYKNGFLNLALPFFGFSEPLAAPRHQYYNQEWTLWDRFEVQ
GLQPNGEEMTLKQFLDYFKTEHKLEITMLSQGVSM LYSFFMPAAKLKERLDQPMTEI
VSRVSKRKLGRHV RALVLELCCNDESGEDVEVPYVRYTIRTRTRPLEQKLISEEDLA
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

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

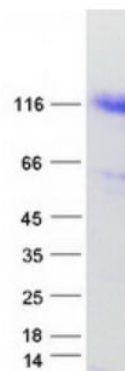
mRNA Refseq NM_003334

Protein Refseq NP_003325

MIM 314370

UniProt ID P22314

SDS-PAGE



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