

Recombinant Full Length Human UBA7 Protein, C-Flag-tagged

Cat. No. UBA7-1673HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human UBA7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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 is a retinoid target that triggers promyelocytic leukemia (PML)/retinoic acid receptor alpha (RARalpha) degradation and apoptosis in acute promyelocytic leukemia, where it is involved in the conjugation of the ubiquitin-like interferon-stimulated gene 15 protein.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	111.5 kDa
AA Sequence	MDALDASKLLDEELYSRQLYVLGSPAMQRIQGARVLVSGLQGLGAEVAKNLVLMGV GSLTLHDPHPTCWS DLAAQFLLSEQDLERSRAEASQELLAQLNRAVQVVVHTGDIT EDLLLDQFQVVVLTAAKLEEQKLVGTLC H KGVCF LAADTRGLVGQLFCDFGEDFTV QDPTEAEPLTAAIQHISQSGPGILTLRKGANTHYFRDGDVLT FSGIEGMVELNDCDP

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RSIHVREDGSLEIGDTTTFSTRYLRGGAITEVKRPKTVRHKS LDTALLQPHVVAQS SQ
 EVHHAHCLHQAFCALHKFQHLHGRPPQPWDPVDAETVVG LARDLEPLKRTEEEPLE
 EPLDEALVRTVA LSSAGVLSPMVAMLGAVAAQEV LKAISRKFMP LDQWLYFDALDC
 LPEDGELLPSPEDCALRGSRYDGGIA VFGAGFQEK LRRQHYLLVGAGAIGCELLKV
 FALVGLGAGNSGGLTVVDMDIERSNLSRQFLFRSQDVGR PKAEVAAAAAARGLNP
 DLQVIPLTYPLDPTTEHIYGDNFFSRVDGVAAALDSFQARR YVAARCTHYLKPLL EA
 GTSGTWGSATVFM PHVTEAYRAPASAAAASEDAPYPVCTVRYFPSTA EHTLQWARH
 EFEELFRLSAETI NHHQQAHTSLADMDEPQTLTLLKPV LGVLRVRPQN WQDCVAW
 ALGHWKLCFHYGIKQLLRHFPPNKVLED GTPFWSGPKQCPQPLEFD TNQDTHLLY
 VLAAANLYAQMHGLPGSQDWTALRELLKLLPQPDPQQMAPIFA SNLELASASAEFG
 PEQQKELNKALEVWSVGPPLKPLMFEKDDDSNFHVDFV VAAAASLRCQNYGIPPVNR
 A QSKRIVGQIIPAIATTTAAVAGLLGLELYKVVSGPRPRSAFRHSYLHLAENYLIRYMP
 FAPAIQTFHHLK WTSWDR LKVPAGQP PERTLESLLAHLQE QHGLRVRILLHGSALLYA
 AGWSPEKQAQHLPLRVTEL VQQLTG
 QAPAPGQ RVLVLELSCEGDDEDTAFPPLHYELTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome

Protein Pathways Parkinson's disease, Ubiquitin mediated proteolysis

Full Length Full L.

GENE INFORMATION

Gene Name [UBA7 ubiquitin like modifier activating enzyme 7 \[Homo sapiens \(human\) \]](#)

Official Symbol [UBA7](#)

Synonyms D8; UBE2; UBE7; UBA1B; UBE1L

Gene ID [7318](#)

mRNA Refseq [NM_003335.3](#)

Protein Refseq [NP_003326.2](#)

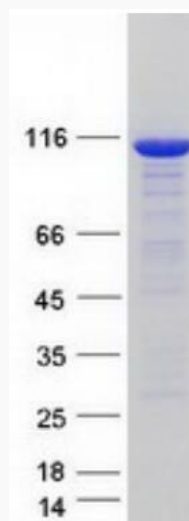
MIM [191325](#)

UniProt ID [P41226](#)

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Coomassie blue staining of purified UBA7 protein.

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