

Recombinant Human UBA7 protein, His & T7-tagged

Cat. No. UBA7-5755H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBA7 aa. (Lys429~Val488 (Accession # P41226)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys429~Val488
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	Freeze-dried powder
Molecular Mass	16kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 9.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	UBA7 ubiquitin like modifier activating enzyme 7 [Homo sapiens (human)]
Official Symbol	UBA7
Synonyms	UBA7; ubiquitin like modifier activating enzyme 7; D8; UBE2; UBA1B; UBE1L; ubiquitin-like modifier-activating enzyme 7; UBA1, ubiquitin-activating enzyme E1 homolog B; UBA7, ubiquitin-activating enzyme E1; ubiquitin-activating enzyme 7; ubiquitin-activating enzyme E1 homolog; ubiquitin-activating enzyme E1-related protein; ubiquitin-activating enzyme-2
Gene ID	7318

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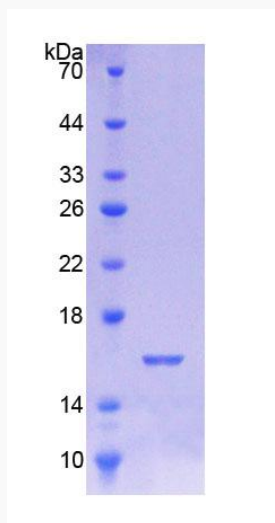
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mRNA Refseq [NM_003335.2](#)

Protein Refseq [NP_003326.2](#)

UniProt ID [P41226](#)

SDS-PAGE



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