

Recombinant Human UBA2 Protein, His-tagged

Cat. No. UBA2-520H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBA2 Protein (Arg453-Ala638) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg453-Ala638
Description	Posttranslational modification of proteins by the addition of the small protein SUMO, or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.3 kDa Accurate Molecular Mass: 35 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

UBA2 ubiquitin-like modifier activating enzyme 2 [Homo sapiens (human)]

Official Symbol

UBA2

Synonyms

UBA2; ubiquitin-like modifier activating enzyme 2; SAE2, SUMO1 activating enzyme subunit 2; SUMO-activating enzyme subunit 2; ARX; FLJ13058; HRIHFB2115; ubiquitin activating enzyme E1 homolog (yeast); SUMO1 activating enzyme subunit 2; SUMO-1 activating enzyme subunit 2; ubiquitin-like 1-activating enzyme E1B; anthracycline-associated resistance ARX; UBA2, ubiquitin-activating enzyme E1 homolog; SAE2

Gene ID

10054

mRNA Refseq

NM_005499

Protein Refseq

NP_005490

MIM

613295

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q9UBT2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA