

Recombinant Human UBA2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UBA2-4965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UBA2 MS Standard C13 and N15-labeled recombinant protein (NP_005490) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Posttranslational modification of proteins by the addition of the small protein SUMO (see SUMO1), 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.
Molecular Mass	71 kDa
AA Sequence	MALSRGLPRELAEAVAGGRVLVVGAGGIGCELLKNLVLTGFSDHLDLDTIDVSNLN RQFLFQKKHVGRSKAQVAKESVLQFYFPAKIVAYHDSIMNPDYNEFFRQFILVMNA LDNRAARNHVNRMCLAADVPLIESGTAGYLGQVTTIKKGVTECYECHKPTQRTFP GCTIRNTPSEPIHCIVWAKYLFNQLFGCEEDADQEVSPDRADPEAAWEPTAEARAR ASNEDGDIKRISTKEWAKSTGYDPVKLFTKLFKDDIRYLLTMDKLWRKRKPPVPLDW AEVQSQGEETNASDQQNEPQLGLKDQQVLDVKSARLFSSKSIETLRVHLAEKGDGA ELIWDKDDPSAMDFVTSAANLRMHIFSMNMKSRFDIKSMAGNIIPAIATTNAVIAGLIV LEGLKILSGKIDQCRTIFLNKQPNPRKKLLVPCALDPPNPNCYVCASKPEVTVRLNVH KVTVLTLDQKIVKEKFAMVAPDVQIEDGKGITLISSEEGETEANNHKKLSEFGIRNGS

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RLQADDFLQDYTLINILHSEDLGKDVEFEVVGDAPEKVGPKQAEDAANKSITNGSDD
GAQPSTSTAQEQDDVLIVDSDEEDSSNNADVSEEERSRKRKLDEKENLSAKRSRIE
QKEELDDVIALDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 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

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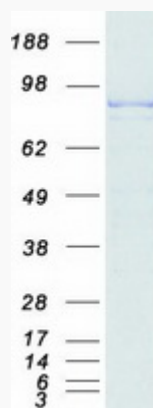
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Protein Refseq NP_005490

MIM 613295

UniProt ID Q9UBT2

SDS-PAGE



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