

Recombinant Full Length Human UBA2 Protein, C-Flag-tagged

Cat. No. UBA2-1373HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human UBA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	71 kDa
AA Sequence	MALSRGLPRELAEAVAGGRVLVVGAGGIGCELLKNLVLTGFSHIDLIDLTIDVSNLN RQFLFQKKHVGR SKAQVAKESVLQFYPPKANIVAYHDSIMNPDYNVEFFRQFILVMN ALDNRAARNHVNRMCLAADVPLIESG TAGYLGQVTTIKKGVTECYECHKPTQRTF PGCTIRNTPSEPIHCIVWAKYLFNQLFGEEDADQEVSPDR ADPEAAWEPTAEARA RASNEDGDIKRISTKEWAKSTGYDPVKLFKTKLFDKDDIRYLLTMDKLWRKRKPPV PLD WAEVQSQGEETNASDQQNEPQLGLKDQQVLDVKSYARLFSKSIETLRVHLAEKGD GAELIWDKDDPS AMDFVTSANLRMHIFSMNMKS RFDIKSMAGNIIPAATTNAVIAG LIVLEGLKILSGKIDQCRTIFLNK QPNPRKLLVPCALDPPNPNCYVCASKPEVTVRL NVHKVTVLTLQDKIVKEKFAMVAPDVQIEDGKGITL ISSEEGETEANNHKKLSEFGIR

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NGSRLQADDFLQDYTLINILHSEDLGKDVEFEVVGDAPEKVGPKQAE DAAKSITNG
SDDGAQPSTSTAQEQDDVLIVDSDEEDSSNNADVSEEERSRKRKLDEKENLSAKRS
RIEQK
EELDDVIALDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 Pathways	Ubiquitin mediated proteolysis
Full Length	Full L.

GENE INFORMATION

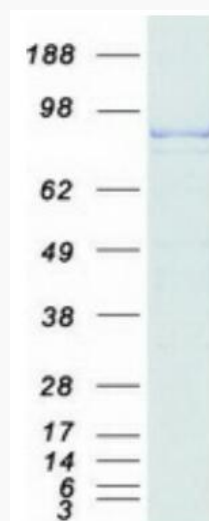
Gene Name	UBA2 ubiquitin like modifier activating enzyme 2 [Homo sapiens (human)]
Official Symbol	UBA2
Synonyms	ARX; SAE2; ACCES; HRIHFB2115
Gene ID	10054

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mRNA Refseq	NM_005499.3
Protein Refseq	NP_005490.1
MIM	613295
UniProt ID	Q9UBT2



Coomassie blue staining of purified UBA2 protein.