

Datasheet for ABIN7545885
UBA2 Protein (AA 1-640) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	UBA2
Protein Characteristics:	AA 1-640
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBA2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UBA2 Protein expressed in mammalian cells.
Sequence:	<p>MALSRGLPRE LAEAVAGGRV LVVGAGGIGC ELLKNLVLTG FSHIDLIDLD TIDVSNLNRQ FLFQKKHVGR SKAQVAKESV LQFYPKANIV AYHDSIMNPD YNVEFFRQFI LVMNALDNRA ARNHVNRMCL AADVPLIESG TAGYLGQVTT IKKGVTECYE CHPKPTQRTF PGCTIRNTPS EPIHCIVWAK YLFNQLFGEE DADQEVSPDR ADPEAAWEPT EAEARARASN EDGDIKRIST KEWAKSTGYD PVKLF TKLFK DDIRYLLTMD KLWRKRKPPV PLDWAEVQSQ GEETNASDQQ NEPQLGLKDQ QVLDVKSYAR LFSKSIETLR VH LAEKGDGA ELIWDKDDPS AMDFV TSAAN LRMHIFSMNM KSRFDIKSMA GNIIPAIATT NAVIAGLIVL EGLKILSGKI DQCRTIFLNK QP NPRKLLV PCALDPPNP CYVCASKPEV TVRLNVHKVT VLT LQDKIVK EK FAMVAPDV QIEDGKGTIL ISSEGETEA NNHKKLSEFG IRNGSRLQAD DFLQDYTL LI NILHSEDLGK DVEFEVVGDA PEKVGPKQAE DAAKSITNGS DDGAQPSTST AQEQDDVLIV DSDEEDSSNN ADVSEEERSR KRKLDEKENL SAKRSRIEQK EELDDVIALD Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

Product Details

of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: UBA2

Alternative Name: UBA2 ([UBA2 Products](#))

Background: SUMO-activating enzyme subunit 2 (EC 2.3.2.-) (Anthracycline-associated resistance ARX) (Ubiquitin-like 1-activating enzyme E1B) (Ubiquitin-like modifier-activating enzyme 2),FUNCTION: The heterodimer acts as an E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2. {ECO:0000269|PubMed:11451954, ECO:0000269|PubMed:11481243, ECO:0000269|PubMed:15660128, ECO:0000269|PubMed:17643372, ECO:0000269|PubMed:19443651, ECO:0000269|PubMed:20164921}.

Target Details

Molecular Weight: 71.2 kDa

UniProt: [Q9UBT2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months