

Datasheet for ABIN7563106  
**UBA1Y Protein (AA 1-1058) (His tag)**



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## Overview

Quantity:	1 mg
Target:	UBA1Y
Protein Characteristics:	AA 1-1058
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBA1Y protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Uba1y Protein expressed in mammalian cells.
Sequence:	MSSSVLSKKR KVSQPDSSLD SWSPTYSVM FGVPPGPTNE MSKNKEMDID ESLYSRQLYV LGHEAMKHLQ ASSVLISGLQ GLGVEIAKNI ILGGVKAVTL HDQGIAQWAD LSSQFCLREE DIGKNRAEIS QPRLAELNSY VPVFAYTGPL IEEFLSGFQV VLTNTPLEY QLQVGEFCHS HGIKLVVADT RGLVGQLFCD FGEEMILTDS NGEQPLSAMV SMITKENPGI VTCLEDSRHG FESGDFISFT EVQGMSELNG IGPIEIKVLG PYTFSICDTS SFSEYIRGGI VSQVKVPRKI NFKPLLASLA EPEFVVTDF A KCCHPAQLHI GFQALHQFCT QHSRPPRPHN EEDAEEVLTL AQSVNAQALP AVQQDCLDID LIRKLAYVAA GDLAPMNAFF GGLAAQEVMMK ACSGKFMPIR QWLYFDALEC LPEHRVAFME DKCLPHQNRD DGQVAVFGSD LQEKLGKQKY FLVGAGAIGC ELLKNFAMIG LGCGEDGEIT VTDMDTIEKS NLNRQFLFRP WDTIKLKSET AAAAVRDINP HIRIFSHQNR VGPETEHVYD DDFQKLDGV ANALDNVDAR LYVDRRCVYY RKPLLESRTL GTKGNVQVVV PFLTESYSSS QDPPEKSIPI CTLKNFPNAI EHTVQWARDE FEGLFKQSAE NVNQYLTPDK FMERTLQLAG TQPLEVLEAI HCSLVLQRPQ TWADCVTWAY QHWHTQYSHN

## Product Details

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IQQLLHNFPF AQLTSSGALF WSGPKRCPPH LTFDINNPLH LDYVMAAANL FAQTYGLGGS  
QDCAVVAKLL QSLPVPKFAP KSGIRIHVSE QELQSTSATT IDDSHLEELK TALPTPKLL  
GFKMYPIDFE KDDDSNFHMD FIVAASNLRA ENYGISPADR HSKSLIAGKI IPAIATTTSA  
IVGLVCLELY KVVQGHQLE SYKNSFINLA LPLFSFSAPL APECHQYYDQ EWTLWDRFDV  
QGLQPSGEEM TLKQFLDYFK TEHKLEVIML SQGVSMLYSV FMPASKLKER LDQPMTEIVS  
CVSKQKLGHH VKSLVFELCC NSDSGDDIEV PYVRYIIR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity 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

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Target: UBA1Y

Alternative Name: Uba1y ([UBA1Y Products](#))

Background: Ubiquitin-like modifier-activating enzyme 1 Y (EC 6.2.1.45) (Ubiquitin-activating enzyme E1) (Ubiquitin-activating enzyme E1 Y),FUNCTION: Activates ubiquitin by first adenylating its C-

## Target Details

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terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP (By similarity). The Y chromosome form could be involved in the survival and proliferation of differentiating spermatogonia. {ECO:0000250|UniProtKB:P22314, ECO:0000305}.

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Molecular Weight: 118.0 kDa

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UniProt: [P31254](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months