

Datasheet for ABIN7544964
UBAC1 Protein (AA 1-405) (His tag)



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Overview

Quantity:	1 mg
Target:	UBAC1
Protein Characteristics:	AA 1-405
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBAC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UBAC1 Protein expressed in mammalian cells.
Sequence:	MFVQEEKIFA GKVLRLHICA SDGAEWLEEA TEDTSVEKLG ERCLKHCAHG SLEDPKSITH HKLIHAASER VLS DARTILE ENIQDQDVLL LIKKRAPSPL PKMADVSAEE KKKQDQKAPD KEAILRATAN LPSYNMDRAA VQTNMRDFQT ELRKILVSLI EVAQKLLALN PDAVELFKKA NAMLDEDEDE RVDEAALRQL TEMGFPENRA TKALQLNHMS VPQAMEWLV HAEDPTIDTP LPGQAPPEAE GATAAASEAA AGASATDEEA RDELTEIFKK IRRKREFRAD ARAVISLMEM GFDEKEVIDA LRVNNNQNA ACEWLLGDRK PSPEELDKGI DPDSPLFQAI LDNPVVQLGL TNPKTLLAFE DMLNPLNST QWMNDPETGP VMLQISRIFQ TLNRT 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.

Product Details

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:

UBAC1

Alternative Name:

UBAC1 ([UBAC1 Products](#))

Background:

Ubiquitin-associated domain-containing protein 1 (UBA domain-containing protein 1) (Glioblastoma cell differentiation-related protein 1) (Kip1 ubiquitination-promoting complex protein 2),FUNCTION: Non-catalytic component of the KPC complex, a E3 ubiquitin-protein ligase complex that mediates polyubiquitination of target proteins, such as CDKN1B and NFKB1 (PubMed:15531880, PubMed:15746103, PubMed:16227581, PubMed:25860612). The KPC complex catalyzes polyubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle (PubMed:15531880, PubMed:15746103). The KPC complex also acts as a key regulator of the NF-kappa-B signaling by promoting maturation of the NFKB1 component of NF-kappa-B by catalyzing ubiquitination of the NFKB1 p105 precursor (PubMed:25860612). Within the KPC complex, UBAC1 acts as an adapter that promotes the transfer of target proteins that have been polyubiquitinated by RNF123/KPC1 to the 26S proteasome (PubMed:16227581). {ECO:0000269|PubMed:15531880, ECO:0000269|PubMed:15746103, ECO:0000269|PubMed:16227581,

Target Details

ECO:0000269|PubMed:25860612}.

Molecular Weight: 45.3 kDa

UniProt: [Q9BSL1](#)

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