Datasheet for ABIN7565217

RBCK1 Protein (AA 1-508) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	RBCK1
Protein Characteristics:	AA 1-508
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBCK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rbck1 Protein expressed in mammalian cells.
Sequence:	MDEKTKKAEE MALSLARAVA GGDEQAAIKY ATWLAEQRVP LRVQVKPEVS PTQDIRLCVS VEDAYMHTVT IWLTVRPDMT VASLKDMVFL DYGFPPSLQQ WVVGQRLARD QETLHSHGIR RNGDGAYLYL LSARNTSLNP QELQRQRQLR MLEDLGFKDL TLQSRGPLEP VLPKPRTNQE PGQPDAAPES PPVGWQCPGC TFINKPTRPG CEMCCRARPE TYQIPASYQP DEEERARLAG EEEALRQYQQ RKQQQQEGNY LQHVQLEQRS LVLNTEPTEC PVCYSVLAPG EAVVLRECLH TFCRECLQGT IRNSQEAEVA CPFIDSTYSC PGKLLEREIR ALLSPEDYQR FLDLGVSIAE NRSTLSYHCK TPDCRGWCFF EDDVNEFTCP VCTRVNCLLC KAIHEHMNCR EYQDDLALRA QNDVAARQTT EMLKVMLQQG EAMHCPQCRI VVQKKDGCDW IRCTVCHTEI CWVTKGPRWG PGGPGDTSGG CRCRVNGIPC HPSCQNCH **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.**

Product Details

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:	RBCK1
Alternative Name:	Rbck1 (RBCK1 Products)
Background:	RanBP-type and C3HC4-type zinc finger-containing protein 1 (EC 2.3.2.31) (Heme-oxidized IRP2 ubiquitin ligase 1 homolog) (HOIL-1) (RING-type E3 ubiquitin transferase HOIL-1) (UbcM4-interacting protein 28) (Ubiquitin-conjugating enzyme 7-interacting protein 3),FUNCTION: E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, such as UBE2L3/UBCM4, and then transfers it to substrates. Functions as an E3 ligase for oxidized IREB2 and both heme and oxygen are necessary for IREB2 ubiquitination. Promotes ubiquitination of TAB2 and IRF3 and their degradation by the proteasome. Component of the LUBAC complex which conjugates linear ('Met-1'-linked) polyubiquitin chains to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the

Target Details

	LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. The LUBAC complex is also involved in innate immunity by conjugating linear polyubiquitin chains at the surface of bacteria invading the cytosol to form the ubiquitin coat surrounding bacteria. LUBAC is not able to initiate formation of the bacterial ubiquitin coat, and can only promote formation of linear polyubiquitins on pre-existing ubiquitin. The bacterial ubiquitin coat acts as an 'eat-me' signal for xenophagy and promotes NF-kappa-B activation. Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis. Binds polyubiquitin of different linkage types. {ECO:0000250|UniProtKB:Q9BYM8}.
Molecular Weight:	57.5 kDa
UniProt:	Q9WUB0

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