Datasheet for ABIN7555964

UIMC1 Protein (AA 1-719) (His tag)

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Overview

Quantity:	1 mg
Target:	UIMC1
Protein Characteristics:	AA 1-719
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UIMC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UIMC1 Protein expressed in mammalian cells.
Sequence:	MPRRKKKVKE VSESRNLEKK DVETTSSVSV KRKRRLEDAF IVISDSDGEE PKEENGLQKT KTKQSNRAKC LAKRKIAQMT EEEQFALALK MSEQEAREVN SQEEEEEELL RKAIAESLNS CRPSDASATR SRPLATGPSS QSHQEKTTDS GLTEGIWQLV PPSLFKGSHI SQGNEAEERE EPWDHTEKTE EEPVSGSSGS WDQSSQPVFE NVNVKSFDRC TGHSAEHTQC GKPQESTGRG SAFLKAVQGS GDTSRHCLPT LADAKGLQDT GGTVNYFWGI PFCPDGVDPN QYTKVILCQL EVYQKSLKMA QRQLLNKKGF GEPVLPRPPS LIQNECGQGE QASEKNECIS EDMGDEDKEE RQESRASDWH SKTKDFQESS IKSLKEKLLL EEEPTTSHGQ SSQGIVEETS EEGNSVPASQ SVAALTSKRS LVLMPESSAE EITVCPETQL SSSETFDLER EVSPGSRDIL DGVRIIMADK EVGNKEDAEK EVAISTFSSS NQVSCPLCDQ CFPPTKIERH AMYCNGLMEE DTVLTRRQKE AKTKSDSGTA AQTSLDIDKN EKCYLCKSLV PFREYQCHVD SCLQLAKADQ GDGPEGSGRA CSTVEGKWQQ RLKNPKEKGH SEGRLLSFLE QSEHKTSDAD IKSSETGAFR VPSPGMEEAG CSREMQSSFT RRDLNESPVK SFVSISEATD CLVDFKKQVT VQPGSRTRTK AGRGRRRKF

Product Details

	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

Target:	UIMC1
Alternative Name:	UIMC1 (UIMC1 Products)
Background:	BRCA1-A complex subunit RAP80 (Receptor-associated protein 80) (Retinoid X receptor-interacting protein 110) (Ubiquitin interaction motif-containing protein 1),FUNCTION: Ubiquitin-binding protein (PubMed:24627472). Specifically recognizes and binds 'Lys-63'-linked ubiquitin (PubMed:19328070, Ref.38). Plays a central role in the BRCA1-A complex by specifically binding 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. Also weakly binds monoubiquitin but with much

Target Details

	less affinity than 'Lys-63'-linked ubiquitin. May interact with monoubiquitinated histones H2A and H2B, the relevance of such results is however unclear in vivo. Does not bind Lys-48'-linked ubiquitin. May indirectly act as a transcriptional repressor by inhibiting the interaction of NR6A1 with the corepressor NCOR1. {ECO:0000269|PubMed:12080054, ECO:0000269|PubMed:17525340, ECO:0000269|PubMed:17525341, ECO:0000269|PubMed:17525342, ECO:0000269|PubMed:17621610, ECO:0000269|PubMed:17643121, ECO:0000269|PubMed:19015238, ECO:0000269|PubMed:19202061, ECO:0000269|PubMed:19261748, ECO:0000269|PubMed:19328070, ECO:0000269|PubMed:24627472, ECO:0000269|Ref.38}.
Molecular Weight:	79.7 kDa
UniProt:	Q96RL1
Pathways:	DNA Damage Repair, Nuclear Hormone Receptor Binding, Positive Regulation of Response to DNA Damage Stimulus

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

