Datasheet for ABIN7555993

Vcpip1 Protein (AA 1-1222) (His tag)

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Overview

Quantity:	1 mg
Target:	Vcpip1
Protein Characteristics:	AA 1-1222
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vcpip1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat VCPIP1 Protein expressed in mammalien cells.
Sequence:	MSQPPPPPPP LPPPPPPPEA PQTPSSLASA AASGGLLKRR DRRILSGSCP DPKCQARLFF PASGSVSIEC TECGQRHEQQ QLLGVEEVTD PDVVLHNLLR NALLGVTGAP KKNTELVKVM GLSNYHCKLL SPILARYGMD KQTGRAKLLR DMNQGELFDC ALLGDRAFLI EPEHVNTVGY GKDRSGSLLY LHDTLEDIKR ANKSQECLIP VHVDGDGHCL VHAVSRALVG RELFWHALRE NLKQHFQQHL ARYQALFHDF IDAAEWEDII NECDPLFVPP EGVPLGLRNI HIFGLANVLH RPIILLDSLS GMRSSGDYSA TFLPGLIPAE KCTGKDGHLN KPICIAWSSS GRNHYIPLVG IKGAALPKLP MNLLPKAWGV PQDLIKKYIK LEEDGGCVIG GDRSLQDKYL LRLVAAMEEV FMDKHGIHPS LVADVHQYFY RRTGVIGVQP EEVTAAAKKA VMDNRLHKCL LCGALSELHV PPEWLAPGGK LYNLAKSTHG QLRTDKNYSF PLNNLVCSYD SVKDVLVPDY GMSNLTACNW CHGTSVRKVR GDGSIVYLDG DRTNSRSTGG KCGCGFKHFW DGKEYDNLPE AFPITLEWGG RVVRETVYWF QYESDSSLNS NVYDVAMKLV TKHFPGEFGS EILVQKVVHT ILHQTAKKNP

Product Details

	DDYTPVNIDG AHAQRVGDVQ GQESESQLPT KIILTGQKTK TLHKEELNMS KTERTIQQNI TEQASVMQKR KTEKLKQEQK GQPRTVSPST IRDGPSSAPA TPTKAPYSPT TSKEKKIRIT TNDGRQSMVT LKSSTTFFEL QESIAREFNI PPYLQCIRYG FPPKELMPPQ AGMEKEPVPL QHGDRITIEI LKSKAEGGQS AAAHSAHTVK QEDIAVTGKL SSKELQEQAE KEMYSLCLLA TLMGEDVWSY AKGLPHMFQQ GGVFYSIMKK TMGMADGKHC TFPHLPGKTF VYNASEDRLE LCVDAAGHFP IGPDVEDLVK EAVSQVRAEA TTRSRESSPS HGLLKLGSGG VVKKKSEQLH NVTAFQGKGH SLGTASGNPH LDPRARETSV VRKHNTGTDF SNSSTKTEPS VFTASSSNSE LIRIAPGVVT MRDGRQLDPD LVEAQRKKLQ EMVSSIQASM DRHLRDQSTE QSPSDLPQRK TEVVSSSAKS GSLQTGLPES FPLTGGTENL NTETTDGCVA DALGAAFATR SKAQRGNSVE ELEEMDSQDA EMTNTTEPMD HS **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	Vcpip1
Alternative Name:	VCPIP1 (Vcpip1 Products)
Background:	Deubiquitinating protein VCPIP1 (EC 3.4.19.12) (Valosin-containing protein p97/p47 complex-

Target Details

	interacting protein 1) (Valosin-containing protein p97/p47 complex-interacting protein p135) (VCP/p47 complex-interacting 135- kDa protein),FUNCTION: Deubiquitinating enzyme involved in DNA repair and reassembly of the Golgi apparatus and the endoplasmic reticulum following mitosis (PubMed:32649882). Necessary for VCP-mediated reassembly of Golgi stacks after mitosis (By similarity). Plays a role in VCP-mediated formation of transitional endoplasmic reticulum (tER) (By similarity). Mediates dissociation of the ternary complex containing STX5A, NSFL1C and VCP (By similarity). Also involved in DNA repair following phosphorylation by ATM or ATR: acts by catalyzing deubiquitination of SPRTN, thereby promoting SPRTN recruitment to chromatin and subsequent proteolytic cleavage of covalent DNA-protein cross-links (DPCs) (PubMed:32649882). Hydrolyzes 'Lys-11'- and 'Lys-48'-linked polyubiquitin chains (PubMed:23827681). {ECO:0000250|UniProtKB:Q8CF97, ECO:0000269|PubMed:23827681, ECO:0000269|PubMed:32649882}., FUNCTION: (Microbial infection) Regulates the duration of C.botulinum neurotoxin type A (BoNT/A) intoxication by catalyzing deubiquitination of Botulinum neurotoxin A light chain (LC), thereby preventing LC degradation by the proteasome, and accelerating botulinum neurotoxin intoxication in patients. {ECO:0000269|PubMed:28584101}.
Molecular Weight:	134.3 kDa
UniProt:	Q96JH7

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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