Datasheet for ABIN7565150

JMY Protein (AA 1-983) (His tag)

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Overview

Quantity:	1 mg
Target:	JMY
Protein Characteristics:	AA 1-983
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JMY protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Jmy Protein expressed in mammalien cells.
Sequence:	MSFALEETLE SDWVAVRPHV FDEREKHKFV FIVAWNEIEG KFAITCHNRT AQRQRSGSRE QAGTPASDGS RGPGSPAARG RSEAAASATA ALRSPGPRKS QAWAEGGSPR SARSLKGDPP RGPAGRGPES PLRSPARAKA SPLRRSAESR DAIASATPVP PAPPVPPVSS VRVVSASGAV SEEIEVLEMV REDEAPQPLP DSEQPPSAAE LESSAEECSW AGLFSFQDLR AVHQQLCSVN SQLEPCLPVF PEEPSGMWTV LFGGAPEMTE QEIDALCYQL QVYLGHGLDT CGWKILSQVL FTETDDPEEY YESLSELRQK GYEEVLQRAR RRIQELLDKH KTIESMVELL DLYQMEDEAY SSLAEATTEL YQYLLQPFRD MRELAMLRRQ QIKISMENDY LGPRRIESLQ KEDADWQRKA HMAVLSIQDL TVKYFEITAK AQKAVYDRMR ADQKKFGKAS WAAAAERMEK LQYAVSKETL QMMRAKEICL EQKKHALKEE MQSLQGGTEA IARLDQLESD YYDLQLQLYE VQFEILKCEE LLLTAQLESI KRLISEKRDE VVYYDTYESM EAMLEKEEMA ASVHAQREEL QKLQQKARQL EARRGRVSAK KAYLRNKKEI CIAKHHEKFQ QRFQSEDEYR AHHTIQIKRD KLHDEEERKS

Product Details

	AWVSQERQRT LDRLRTFKQR YPGQVILKST RLRVAHSRRK STASPVPCEE QCHSLPTVLQ GQEKTEVGGG GSQLGPSQTA EPQSLVQLED TSSEQLESTS LPPRAVVSSE LPPPQSAPLL TSIDPKPCSV TIDPLPPPLP PTPPPPPPPP PPPPPPLPVA KDNGASTTAE TLEKDALRTE GNERSIPKSA SAPAAHLFDS SQLVSARKKL RKTVEGLQRR RVSSPMDEVL ASLKRGSFHL KKVEQRTLPP FPDEDDSNNI LAQIRKGVKL KKVQKEVLRE SFTLLPDTDP LTRSIHEALR RIKEASPESE DEEEALPCTD WEN **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:	JMY
Alternative Name:	Jmy (JMY Products)
Background:	Junction-mediating and -regulatory protein,FUNCTION: Acts both as a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics depending on conditions. In nucleus, acts as a cofactor that increases p53/TP53 response via its interaction with p300/EP300. Increases p53/TP53-dependent transcription and apoptosis, suggesting an important role in p53/TP53 stress response such as DNA damage. In cytoplasm, acts as a nucleation-promoting

Target Details

	factor for both branched and unbranched actin filaments. Activates the Arp2/3 complex to induce branched actin filament networks. Also catalyzes actin polymerization in the absence of Arp2/3, creating unbranched filaments. Contributes to cell motility by controlling actin dynamics. May promote the rapid formation of a branched actin network by first nucleating new mother filaments and then activating Arp2/3 to branch off these filaments. Upon nutrient stress, directly recruited by MAP1LC3B to the phagophore membrane surfaces to promote actin assembly during autophagy (By similarity). The p53/TP53-cofactor and actin activator activities are regulated via its subcellular location. {ECO:0000250|UniProtKB:Q8N9B5, ECO:0000269|PubMed:10518217, ECO:0000269|PubMed:11511361, ECO:0000269|PubMed:19287377, ECO:0000269|PubMed:19897726}.
Molecular Weight:	110.6 kDa
UniProt:	Q9QXM1
Pathways:	Regulation of Actin Filament Polymerization

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