Datasheet for ABIN7565093

ACIN1 Protein (AA 1-1338) (His tag)

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Overview

Quantity:	1 mg
Target:	ACIN1
Protein Characteristics:	AA 1-1338
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACIN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Acin1 Protein expressed in mammalian cells.
Sequence:	MWGRKRPNSS GETRGILSGN RGVDYGSGRG QSGPFEGRWR KLPKMPEAVG TDPSTSRKMA ELEEVTLDGK PLQALRVTDL KAALEQRGLA KSGQKSALVK RLKGALMLEN LQKHSTPHAA FQPNSQIGEE MSQNSFIKQY LEKQQELLRQ RLEREAREAA ELEEASAESE DEMTHPEGVA SLLPPDFQSS LNRPELELST HSPRKSSSFS EEKGESDDEK PRKGERRSSR VRQAKSKLPE YSQTAEEEED QETPSRNLRV RADRNLKIEE EEEEEEEEED DDDEEEEEVD EAQKSREAEA PTLKQFEDEE GEERTRAKPE KVVDEKPLNI RSQEKGELEK GGRVTRSQEE ARRSHLARQQ QEKETQIVSL PQEENEVKSS QSLEEKSQSP SPPPLPEDLE KAPVVLQPEQ IVSEEETPPP LLTKEASSPP THIQLQEEME PVEGPAPPVL IQLSPPNTDA GAREPLASPH PAQLLRSLSP LSGTTDTKAE SPAGRVSDES VLPLAQKSSL PECSTQKGVE SEREKSAPLP LTVEEFAPAK GITEEPMKKQ SLEQKEGRRA SHALFPEHSG KQSADSSSSR SSSPSSSSSP SRSPSPDSVA SRPQSSPGSK QRDGAQARVH ANPHERPKMG SRSTSESRSR SRSRSRSASS SSRKSLSPGV SRDSNTSYTE TKDPSCGQEA AAPSGPQLQV LEPKEKAPTF SASVRGRHLS HPEPEQQHVI

	QRLQPEQGSP KKCEAEEAEP PAATQPQTSE TQISHLLESE RTHHTVEEKE EVTMDTSENR PENEVPEPPL PVADQVSNDE RPEGGAEEEE KKESSMPKSF KRKISVVSAT KGVQAGNSDT EGGQPGRKRR WGASTAATQK KPSISITTES LKSLIPDIKP LAGQEAVVDL HADDSRISED ETERNGDDGT HDKGLKICRT VTQVVPAEGQ ENGQREEEEE KEPEAELPAP PQVSVEVALP PPVEHEVKKV TLGDTLTRRS ISQQKSGVSI TIDDPVRTAQ VPSPPRGKIS NIVHISNLVR PFTLGQLKEL LGRTGTLVEE AFWIDKIKSH CFVTYSTVEE AVATRTALHG VKWPQSNPKF LCADYAEQDE LDYHRGLLVD RPSETKAEEQ GAPRPLHPPP PPPVQPPPHP RAEQREQERA VREQWAERER EMERRERTRS EREWDRDKVR EGPRSRSRSR DRRRKERAKS KEKKSEKKEK AQEEPPAKLL DDLFRKTKAA PCIYWLPLTE SQIVQKEAEQ AERAKEREKR RKEREEEEQK EREKEAERER NRQLEREKRR EHSRERERDR ERERDRGDRE RERERDRDRG RERDRRDTKR HSRSRSRSTP VRDRGGRR **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:	ACIN1
Alternative Name:	Acin1 (ACIN1 Products)
Background:	Apoptotic chromatin condensation inducer in the nucleus (Acinus),FUNCTION: Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Component of the ASAP complexes which bind RNA in a sequence-independent manner and are proposed to be recruited to the EJC prior to or during the splicing process and to regulate specific excision of introns in specific transcription subsets, ACIN1 confers RNA-binding to the complex. The ASAP complex can inhibit RNA processing during in vitro splicing reactions. The ASAP complex promotes apoptosis and is disassembled after induction of apoptosis. Involved in the splicing modulation of BCL2L1/Bcl-X (and probably other apoptotic genes), specifically inhibits formation of proapoptotic isoforms such as Bcl-X(S), the activity is different from the established EJC assembly and function. Induces apoptotic chromatin condensation after activation by CASP3. Regulates cyclin A1, but not cyclin A2, expression in leukemia cells (By similarity). {ECO:0000250}.
Molecular Weight:	150.7 kDa
UniProt:	Q9JIX8

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.

Handling

Expiry Date:	12 months