

Datasheet for ABIN7553131

CACTIN Protein (AA 1-758) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CACTIN
Protein Characteristics:	AA 1-758
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CACTIN protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CACTIN Protein expressed in mammalian cells.
Sequence:	<p>MGRDTRSRSR SAGRRGRRRQ SQSGSRSRSR SHGRRNRRRR EDEGRRRRRR RSRERRSDSE</p> <p>EERWQRSGMR SRSPRPKWH SRDGSSQSDS GEEQSRGQWA RRRRRARSWS PSSSASSAS</p> <p>PGRSQSPRAA AAALSQQQSL QERLRLREER KQQEELMKAF ETPEEKRRARR LAKKEAKERK</p> <p>KREKMGWGEE YMGYTNTDNP FGDNNLLGTF IWNKALEKKG ISHLEEKELK ERNKRIQEDN</p> <p>RLELQKVKQL RLEREREKAM REQELEMLQR EKEAEHFKTW EEQEDNFHLQ QAKLRSKIRI</p> <p>RDGRAKPIDL LAKYISAEDD DLAVEMHEPY TFLNGLTVAD MEDLLEDIQV YMELEQGKNA</p> <p>DFWRDMTTIT EDEISKLRL EASGKGPGER REGVNASVSS DVQSVFKGKT YNQLQVIFQG</p> <p>IEGKIRAGGP NLDMGYWESL LQQLRAHMAR ARLRERHQDV LRQKLYKLKQ EQGVESEPLF</p> <p>PILKQEPQSP SRSLEPEDAA PTPPGPSSEG GPAAEVDGA TPTEGDGDGD GEGEGEGEAV</p> <p>LMEEDLIQQS LDDYDAGRYS PRLTAHELP LDAHVLEPDE DLQRLQLSRQ QLQVTGDASE</p> <p>SAEDIFFRRA KEGMGQDEAQ FSVEMPLTGK AYLWADKYRP RKPRFFNRVH TGFENKYNQ</p>

THYDFDNPPP KIVQGYKFNI FYDLDIKRS TPEYFLEACA DNKDFAILRF HAGPPYEDIA
FKIVNREWEY SHRHGFRCQF ANGIFQLWFH FKRYRYRR **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	CACTIN
Alternative Name:	CACTIN (CACTIN Products)
Background:	<p>Splicing factor Cactin (Renal carcinoma antigen NY-REN-24),FUNCTION: Plays a role in pre-mRNA splicing by facilitating excision of a subset of introns (PubMed:28062851). Required for the splicing of CDCA5/Sororin, a regulator of sister chromatid cohesion (PubMed:28062851). Involved in the regulation of innate immune response (PubMed:20829348). Acts as a negative regulator of Toll-like receptor, interferon-regulatory factor (IRF) and canonical NF-kappa-B signaling pathways (PubMed:20829348, PubMed:26363554). Contributes to the regulation of transcriptional activation of NF-kappa-B target genes in response to endogenous pro-inflammatory stimuli (PubMed:20829348, PubMed:26363554).</p>

Target Details

{ECO:0000269|PubMed:20829348, ECO:0000269|PubMed:26363554, ECO:0000269|PubMed:28062851}.

Molecular Weight: 88.7 kDa

UniProt: [Q8WUQ7](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

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