

Datasheet for ABIN3131033
ZCCHC11 Protein (AA 1-1644) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	ZCCHC11
Protein Characteristics:	AA 1-1644
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZCCHC11 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	<p>MEEPKTSKNE NHEPKKNIIC EESKAVKIIS NQTLKPRNDK SEIGTSSLNR NSSKKTQND ICIEKTEAKS CKVNAASVPG PKDLGLVHRD QSHCKMKKLP NSPMKAQKGS SQTKEKTPS LQTKAEKVPK SPNLPVKA EK APCTTAEATT EKALNSQRKE ENTPTSQMKL QKTPRSPLEP ENVPSLLLKE NVKQTESQQT GKKLTSFVS MDKRSSEALQ GEKSALENS LSQKQQTQTD NIADSDSAS GIEDTADDLS KMKSEESNKE NSSEMDYLEN ATVIDESALT PEQRLGLKQA EERLERDHIF RLEKRSPEYT NCRYLCKLCL IHENIQGAH KHIKEKRHHK NILEKQEESE LRSLPSPSSA HLAALSVAVV ELAKEQGTD DDLRIRQDIV EEMSKVIMTF LPECSRLRYG SSLTKFALKS SDVNIDIKFP PKMNHPDLLI QVLGILKKS LYIDVESDFH AKVPVVVCKD RKSALLCRVS AGNDMACLTT DLLAALGKVE PVFTPLVLAF RYWAKLCYID SQTGGGPSY CFALMVMFFL QQRKPPLLPC LLGSWIEGFD PKRMDDFQLK GIVEEKFKW EYNSSSATEK NLIADENKAK ADEPKDDTKK TETDNQSNAA KAKHGKSPLT LEAPNQVPLG QLWLELLKFY TLDFALEEVV ICVRIQDILT RENKNWPKRR IAIEDPFSVK RNVARSLNSQ LVYEYVVERF</p>
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RAAYRYFACP QKKGGNKSTM DPKKKEKGKL SSKKPVKSDC SATNCCILGE SAEKIHMERG
QPAKHDETEF TSQRCIVDND SLLVNELGLA NHGQDSSSL TASGGSDLKQ KSAEKQGLT
PSETSLKKEL SQCICIGTPD GAESAGTDCR SNLEMDSSHQ IVCNNVSATS CNCKATEVTS
DLVDEDNLPS QELYVFDKF ILTSGKPPTI VCSICKKDGH SKNDCPEDFR KIDLKPLPPM
TNRFREILDV VCKRCFDELS PPCSEQHNRE QILIGLEKFI QKEYDEKARL CLFGSSKNGF
GFRDSDLIC MTLEGHENAE KLNCKEIIEN LAKILKRHPG LRNLPITTA KVPIVKFEHR
RSGLEGDISL YNTLAQHNR MLATYAAIDP RVQYLGVTM VFAKRCDIGD ASRGSLSYYA
YILMVLYFLQ QRKPPVIPVL QEIFDGKQIP QRMVDGWNAF FFDKTEELKK RLPSLGKNT
SLGELWLGLL RFYTEEFDFK EYVISIRQKK LLTTFEKQWT SKCIAIEDPF DLNHNLGAGV
SRKMTNFIMK AFINGRKLFG TPFYPLIGRE AEYFFDSRVL TDGELAPNDR CCRVCGKIGH
YMKDCPKRKR LKKKDSEEEK EGNEEEKDSR DLLDSRDLRC FICGDAGHVR RECPEVKMAR
QRNSSVAAAQ LVRNLVNAQQ VAGSAQQQSD QSIRTRQSSE CSDSPSYSPQ PQFPQNSPQ
PSALPPPSQ PGSQPKLGPP QGGGQPPHQV QMPLYNFPQS PPAHYSPMHS MGLLPMHPLQ
IPAPSWPIHG PMLHSAPGST PSNIGLNDPS IIFAQPAARP MAIPSPSHDG HWPRTVAPNS
LVNNGAVGNS EPRFRGLNPP IPWEHAPRHF PLVPASWPYG LHQNFMHQGN PRFQPKPFYA
QADRCATRRC RERCPHPPRG NVSE

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Zcchc11 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded protein.

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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

Product Details

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	ZCCHC11
Alternative Name:	Zcchc11 (ZCCHC11 Products)
Background:	<p>Uridyltransferase that mediates the terminal uridylation of mRNAs with short (less than 25 nucleotides) poly(A) tails, hence facilitating global mRNA decay. Involved in microRNA (miRNA)-induced gene silencing through uridylation of deadenylated miRNA targets. Also acts as a suppressor of miRNA biogenesis by mediating the terminal uridylation of some miRNA precursors, including that of let-7 (pre-let-7), miR107, miR-143 and miR-200c. Uridylated miRNAs are not processed by Dicer and undergo degradation. Degradation of pre-let-7 contributes to the maintenance of embryonic stem cell pluripotency (PubMed:19703396). Does not bind RNA directly, but recruited to RNA targets by RNA-binding protein LIN28A. Also catalyzes the 3' uridylation of miR-26A, a miRNA that targets IL6 transcript. This abrogates the silencing of IL6 transcript, hence promoting cytokine expression (PubMed:19701194). May also suppress Toll-like receptor-induced NF-kappa-B activation via binding to T2BP. Does not play a role in replication-dependent histone mRNA degradation. Due to functional redundancy between ZCCHC6 and ZCCHC11, the identification of the specific role of each of these proteins is difficult. {ECO:0000250, ECO:0000250 UniProtKB:Q5TAX3, ECO:0000269 PubMed:19701194,</p>

Target Details

	ECO:0000269 PubMed:19703396, ECO:0000269 PubMed:22898984}.
Molecular Weight:	185.6 kDa Including tag.
UniProt:	B2RX14
Pathways:	Stem Cell Maintenance

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.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process