

Product datasheet

Recombinant Human ZCH11 protein (Tagged) (Biotin)
 ab271777

1 Image

Description

Product name	Recombinant Human ZCH11 protein (Tagged) (Biotin)
Purity	>= 89 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	Q5TAX3
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>SQKQQTCTDNTGDSDDASAGIEDVSDDLKMKNDENK ENSSEMDYLENA TVIDESALTPEQRLGLKQAEERLERDHIFRLEKRSPEYTN RYLCKLCLI HIENIQGAHKHIKEKRHKKNILEKQEESELRLPPPSPAHLA ALSVAVIE LAKEHGITDDDLRVRQEIVEEMSKVITTFLEPCSLRLYGSS LTRFALKSS DVNIDIKFPPKMNHDPDLLIKVLGILKKNVLYVDVESDFHAKV PVVVCRDR KSGLLCRVSAGNDMACLTTDLLTALGKIEPVFIPLVLAFRY WAKLCYIDS QTDGGIPSYCFALMVMFFLQQRKPPLLPCLLGSWIEGFDP KRMDDFQLKG MEEKFVKWECNSSSATEKNSIAEENKAKADQPKDDTKK TETDNQSNAMK EKHGKSPLALETPNRVSLGQLWLELLKFYTLDFALEEYVIC VRIQDILTR ENKNWPKRRIAIEDPFSVKRNVARSLNSQLVYEWVERFR AAYRYFACPQ TKGGNKSTVDFKKREKKGKISNKKPVKSNMATNGCILLGE TTEKINAERE QPVQCDEMDCTSQRCIIDNNNLLVNELDFADHGQDSSSL STSKSSEIEPK</p>

LDKKQDDLAPSETCLKKELSQCNCLDSKSPDPDKSTGT
DCRSNLETESS
HQSVC TDTSATSCNCKATEDASDLNDDDLPTQELYVVF
DKFILTSGKPP
TMVCSICKKDGHSKNDCPEDFRKIDLKPLPPMTNRFREILD
LVCKRCFDE
LSPPCSEQHNREQILIGLEKFIQKEYDEKARLCLFGSSKNG
FGFRDSDL
ICMTLEGHENAEKLNCKEIIENLAKILKRHPGLRNILPITAKV
PMKFE
HRRSGLEGDISLYNTLAQHNRMLATYAAIDPRVQYLYGTYM
KVFAKRCDI GD

Molecular weight information	127 KDa by SDS-PAGE
Amino acids	212 to 1313
Tags	DDDDK tag C-Terminus , Avi tag C-Terminus
Conjugation	Biotin

Specifications

Our [Abpromise guarantee](#) covers the use of **ab271777** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Enzymatically biotin-labeled using Avi-tag™ technology

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. Store In the Dark. pH: 8.00 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine)
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General Info

Function	Uridyltransferase that acts as a suppressor of microRNA (miRNA) biogenesis by specifically mediating the terminal uridylation of some miRNAs. Catalyzes the 3' uridylation of precursor let-7 (pre-let-7), a miRNA precursor. Uridylated pre-let-7 miRNAs fail to be processed by Dicer and undergo degradation. Degradation of pre-let-7 contributes to the maintenance of embryonic stem (ES) cells and is required for ES cells to maintain pluripotency. Does not bind RNA by itself, recruited to pre-let-7 miRNAs via its interaction with LIN28A and LIN28B. Also catalyzes the 3' uridylation of miR-26A, a miRNA that represses IL6 transcript, leading to abrogate IL6 transcript repression and promote cytokine expression. May also suppress Toll-like receptor-induced NF-kappa-B activity via binding to T2BP. Does not play a role in replication-dependent histone mRNA degradation.
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Sequence similarities	Belongs to the DNA polymerase type-B-like family. Contains 3 CCHC-type zinc fingers.
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Contains 2 PAP-associated domains.

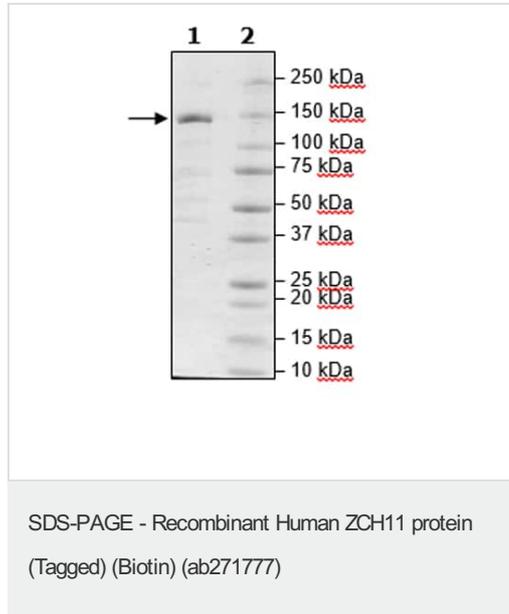
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus. Cytoplasm. Translocates into the cytoplasm following treatment of the cell with LPS.

Images



SDS-PAGE analysis of 2 µg ab271777.

SDS-PAGE - Recombinant Human ZCH11 protein
(Tagged) (Biotin) (ab271777)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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