

Product datasheet

Recombinant human ZCH11 protein (Tagged)
ab271776

2 Images

Description

Product name	Recombinant human ZCH11 protein (Tagged)
Purity	>= 90 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	Q5TAX3
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	

SQKQQTCTDN TGDSDDSASG IEDVSDDLK
 MKNDESNKEN SSEMDYLENA TVIDESALTP
 EQRLGLKQAE ERLERDHIFR LEKRSPEYTN CRYLCKLCLI
 HIENIQGAHK HIKEKRHKKN ILEKQEESEL RSLPPPSPAH
 LAALSVAVIE LAKEHGITDD DLRVRQEIVE EMSKVITFL
 PECSLRLYGS SLTRFALKSS DVNIDIKFPP KMNHPDLLIK
 VLGILKKNVL YDVESDFHA KVPVVVCRDR
 KSGLLCRVSA GNDMACLTTD LLTALGKIEP VFIPLVLAFR
 YWAKLCYIDS QTDGGIPSYC FALMVMFFLQ
 QRKPPLLPCL LGSWIEGFDP KRMDDFQLKG
 MEEKFVKWE CNSSSATEKN SIAEENKAKA
 DQPKDDTKKT ETDNQSNAMEK EKHGKSPLAL
 ETPNRVSLGQ LWLELLKFYT LDFALEEYVI CVRIQDILTR
 ENKNWPKRRI AIEDPFSVKR NVARSLNSQL
 VYEVVVERFR AAYRYFACPQ TKGGNKSTVD
 FKKREKGKIS NKKPVKSNNM ATNGCILLGE TTEKINAERE
 QPVQCDEMDC TSQRCIIDNN NLLVNELDFA
 DHGQDSSSL SSKSSEIEPK LDKKQDDLAP
 SETCLKKELS QCNCIDLSKS PDPDKSTGTD
 CRSNLETSS HQSVCTDTSA TSCNCKATED
 ASDLNDDNL PTQELYVFD KFILTSGKPP TVCSICKKD
 GHSKNDCPED FRKIDLKPLP PMTNRFREIL
 DLVCKRCFDE LSPPCSEQHN REQILIGLEK
 FIQKEYDEKA RLCLFGSSKN GFGFRDSDLD

ICMTLEGHEN AEKLNCKEII ENLAKILKRH PGLRNILPIT
TAKVPMKFE HRRSGLEGDI SLYNTLAQHN TRMLATYAAI
DPRVQYLGYT MKVFAKRCDI GDASRGSLS
YAYILMVLYF LQQRKPPVIP VLQEIFDGKQ IPQRMVDGWN
AFFFDKTEEL KKRLPSLGKN TESLGELWLG
LLRFYTEEFD FKEYVISIRQ KKLLTTFEKQ WTSKCIAIED
PFDLNHNLGA GVS RKMTNFI MKAFINGRKL FGTPFYPLIG
REAEYFFDSR VLTDGELAPN DRCCRVCGKI
GHYMKDCPKR KS

Predicted molecular weight	127 kDa including tags
Amino acids	212 to 1313
Tags	DDDDK tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab271776** 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 Functional Studies
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine) 100 ug/mL DDDDK peptide This product is an active protein and may elicit a biological response in vivo, handle with caution.
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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.
Sequence similarities	Belongs to the DNA polymerase type-B-like family. Contains 3 CCHC-type zinc fingers. Contains 2 PAP-associated domains.

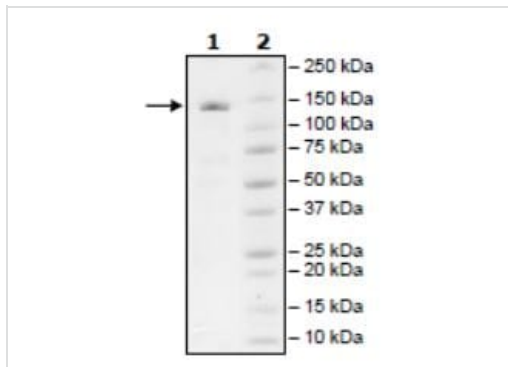
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

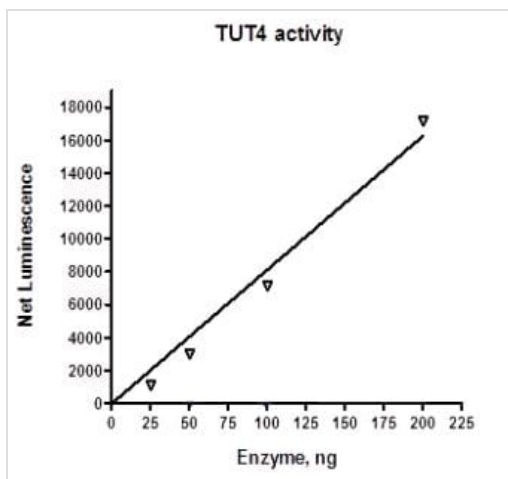
Nucleus. Cytoplasm. Translocates into the cytoplasm following treatment of the cell with LPS.

Images



SDS-PAGE analysis of ab271776.

SDS-PAGE - Recombinant Human ZCH11 protein (Tagged) (ab271776)



Functional studies of ab271776.

Functional Studies - Recombinant Human ZCH11 protein (Tagged) (ab271776)

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