

Product datasheet

Recombinant Human Tristetraprolin/TTP protein
ab112374

1 Image

Description

Product name	Recombinant Human Tristetraprolin/TTP protein	
Expression system	Wheat germ	
Accession	P26651	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MDLTAYESLLSLSPDVPVPSDHGGTESSPGWGSSGPWS LSPSDSSPSGV TSRLPGRSTSLVEGRSCGWVPPPPGFAPLAPRLGPELSP SPTSPTATSTT PSRYKTELCRTFSESGRCRYGAKCQFAHGLGELRQANRH PKYKTELCHKF YLQGRCPYGSRCHFIHNPSEDLAAPGHPPVLRQSI SFGSL PSGRRTSPPP PGLAGPSLSSSSFSPPSSPPPPGDLPLSPSAFSAAPGTP LARRDPTPVCC PSCRRATPISVWGPLGGLVRTPSVQSLGSDPDEYASSGS SLGGSDSPVFE AGVFAPPQPVAAPRRLPIFNRSVSE	
Predicted molecular weight	62 kDa including tags	
Amino acids	1 to 326	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab112374** in the following tested applications.

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

Applications	Western blot
	SDS-PAGE
	ELISA
Form	Liquid

Additional notes

This product was previously labelled as Tristetraprolin.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

mRNA-binding protein involved in post-transcriptional regulation of AU-rich element (ARE)-containing mRNAs. Acts by specifically binding ARE-containing mRNAs and promoting their degradation. Recruits deadenylase CNOT7 (and probably the CCR4-NOT complex) via association with CNOT1. Plays a key role in the post-transcriptional regulation of tumor necrosis factor (TNF). Plays a key role in the post-transcriptional regulation of tumor necrosis factor (TNF).

Sequence similarities

Contains 2 C3H1-type zinc fingers.

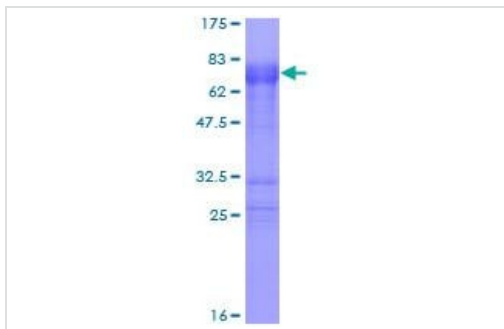
Post-translational modifications

Phosphorylation by MAPKAPK2 increases its stability and binding to 14-3-3 proteins, leading to reduce its ARE affinity leading to inhibition of degradation of ARE-containing transcripts. Phosphorylated upon mitogen stimulation.

Cellular localization

Nucleus. Cytoplasm. Localizes to stress granules upon energy starvation. phosphorylation by MAPKAPK2 promotes exclusion from stress granules.

Images



ab112374 analysed by 12.5% SDS-PAGE and stained with Coomassie Blue.

SDS-PAGE - Recombinant Human
Tristetraprolin/TTP protein (ab112374)

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

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