

ZFP36 (Tristetraproline, TTP) binds AU-rich elements in 3' UTR of target mRNAs

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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Reactome database release: 74

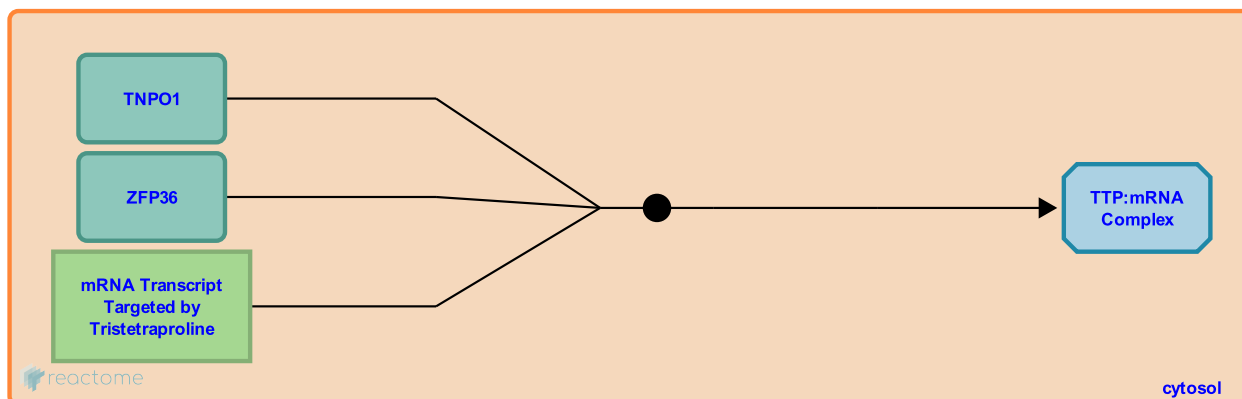
This document contains 1 reaction ([see Table of Contents](#))

ZFP36 (Tristetraprolin, TTP) binds AU-rich elements in 3' UTR of target mRNAs [↗](#)

Stable identifier: R-HSA-450400

Type: binding

Compartments: cytosol



Tristetraprolin (TTP) binds UUAUUUAUU motifs in the AU-rich elements of mRNAs. TTP binds Transportin-1 (Importin beta-2) which plays a role in shuttling TTP between P-bodies and stress granules.

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Editions

2009-12-29	Authored, Edited	May, B.
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