## PRODUCT INFORMATION

## Expression system

E.coli

## Domain

1-151aa
UniProt No.
Q5I0X7
NCBI Accession No.
NP_001008238

## Alternative Names

tetratricopeptide repeat domain 32, TPR repeat protein 32, Tetratricopeptide repeat protein 32

## PRODUCT SPECIFICATION

## Molecular Weight

19.7 kDa (174aa) confirmed by MALDI-TOF

## Concentration

$0.5 \mathrm{mg} / \mathrm{ml}$ (determined by Bradford assay)

## Formulation

Liquid in. 20 mM Tris-HCl buffer (pH 8.0) containing $0.15 \mathrm{M} \mathrm{NaCl}, 20 \%$ glycerol, 2 mM DTT

## Purity

> 90\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20 C to -80 C . Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

TTC32 contains 3 TPR repeats. The tetratricopeptide repeat (TPR) is a structural motif. It consists in a degenerate 34 amino acid sequence motif identified in a wide variety of proteins. TPR is found in tandem arrays of 3-16 motifs, which form scaffolds to mediate protein-protein interactions and often the assembly of multiprotein complexes. TPR-containing proteins include the anaphase-promoting complex (APC) subunits cdc16, cdc23 and cdc27, the NADPH oxidase subunit p67-phox, hsp90-binding immunophilins, transcription factors, the PKR protein kinase inhibitor, the major receptor for peroxisomal matrix protein import PEX5 and mitochondrial import

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## Recombinant human TIC32 protein

Catalog Number: ATGP1750
proteins. Recombinant human TTC32 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMEGQRQE SHATLTLAQA HFNNGEYAEA EALYSAYIRR CACAASSDES PGSKCSPEDL ATAYNNRGQI KYFRVDFYEA MDDYTSAIEV QPNFEVPYYN RGLILYRLGY FDDALEDFKK VLDLNPGFQD ATLSLKQTIL DKEEKQRRNV AKNY

## General References

The MGC Project Team. (2004) Genome Res. 14:2121-2127

DATA


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

