

Recombinant human TTC32 protein

Catalog Number: ATGP1750

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

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

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

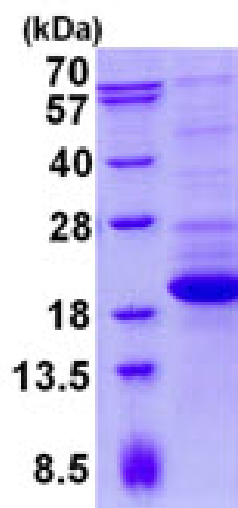
MGSSHHHHHH SGLVPRGSH MGSMEGQRQE SHATLTLAQA HFNNGEYAEA EALYSAYIRR CACAASSDES PGSKCSPEDL
ATAYNNRGQI KYFRVDFYEA MDDY TSAIEV QPNFEVPPYN RGLILYRLGY FDDALEDFKK VL DLNPGFQD ATLSLKQ TIL
DKEEKQRRNV AKNY

General References

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)