

TTC32, 1-151aa

Cat.NO.: TP04336

3th Edition

Synonyms:Tetratricopeptide repeat domain 32.

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

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

Molecular Weight:19.7 kDa (174aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGQRQESHATLTLAQAHFNNGEYAEAEALYSAYIRRCACAASSDESPGSK
CSPEDLATAYNNRGQIKYFRVDFYEAMDDYTS AIEVQPNFEVPYYNRGLILYRLGYFDDALEDFKKVLDLNPGFQDA
TSLKQTILDKEEKQRRNVAKNY

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.