
Product Data Sheet

Product Name: TTC32 Human
 Cat. No.: GP24912
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tetratricopeptide Repeat Domain 32; Tetratricopeptide Repeat Protein 32; TPR Repeat Protein 32.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEGQRQE SHATLTLAQA HFNNGEYAEA EALYSAYIRR CACAASSDES PGSKCSPEDL ATAYNNRGQI KYFRVDFYEA MDDY TSAIEV QPNFEV PYYN RGLILYRLGY FDDALEDFKK VL DLNPGFQD ATLSLKQTIL DKEEKQRRNV AKNY.		
Formulation	The TTC32 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 2mM DTT and 20% glycerol.		

Introduction

TTC32 contains 3 TPR repeats. The tetratricopeptide repeat (TPR) is a structural motif. TPR is observed in organized 3_nC16 motifs, which form scaffolds to mediate protein-protein interactions and frequently the assembly of multiprotein complexes. TPR-containing proteins include the anaphase-promoting complex subunits cdc16, cdc23 and cdc27, the NADPH oxidase subunit p67-phox, hsp90-binding immunophilins, transcription factors, the major receptor for peroxisomal matrix protein import PEX5, the PKR protein kinase inhibitor and mitochondrial import proteins.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TTC32 Human Recombinant produced in E. coli is a single polypeptide chain containing 174 amino acids (1-151) and having a molecular mass of 19.7 kDa. TTC32 is fused to a

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23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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