
Product Data Sheet

Product Name: TTC1 Human
 Cat. No.: GP24911
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tetratricopeptide repeat protein 1; TPR repeat protein 1; TTC1; TPR1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMGEKSE NCGVPEDLLN GLKVTDQTQEA ECAGPPVPDP KNQHSQSKLL RDDEAHLQED QGEEECFHDC SASFEEEPGA DKVENKSNED VNSSELDEEY LIELEKNMSD EEKQKRREES TRLKEEGNEQ FKKGDYIEAE SSYSRALEMC PSCFQKERSI LFSNRAAARM KQDKKEMAIN DCSKAIQLNP SYIRAILRRA ELYEKTDKLD EALEDYKSIL EKDPSIHQAR EACMRLPKQI EERNERLKEE MLGKCLKDLGN LVL RPFGLST ENFQIKQDSS TGSYSINFVQ NPNNNR.		
Formulation	TTC1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

Tetratricopeptide repeat protein 1 (TTC1) is comprised of 292 amino acids with 3 TPR motifs, such as a Galpha16-binding protein. This interaction is confirmed both in vitro and in transfected mammalian cells, where TTC1 also binds to a number of other Galpha proteins. TTC1 interacts with Ha-Ras especially in its active form. TTC1 also interacts with the GAP domain of NF1.

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

TTC1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (1-292 a.a) and having a molecular mass of 36.1kDa

Caution: Product has not been fully validated for medical applications. For research use only.

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(Molecular weight on SDS-PAGE will appear higher).TTC1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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