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TTC1 Human

Catalog #:PRPS-1167

For research use only.

Description: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 (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.

Synonyms: Tetratricopeptide repeat protein 1, TPR repeat protein 1, TTC1, TPR1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMGEKSE NCGVPEDLLN GLKVTDTQEA ECAGPPVPDP KNQHSQSKLL RDDEAHLQED QGEEECFHDC SASFEEEPGA DKVENKSNED VNSSELDEEY LIELEKNMSD EEKQKRREES TRLKEEGNEQ FKKGDYIEAE SSYSRALEMC PSCFQKERSI LFSNRAAARM KQDKKEMAIN DCSKAIQLNP SYIRAILRRA ELYEKTDKLD EA

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:
TTC1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

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.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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