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Recombinant human TTC1 protein

Catalog Number: ATGP1641

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-292aa

UniProt No.
Q99614

NCBI Accession No.
NP_003305

Alternative Names
Tetratricopeptide repeat protein 1, TPR1

PRODUCT SPECIFICATION

Molecular Weight
36.1 kDa (316aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity
> 85% 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
TTC1, also known as tetratricopeptide repeat protein 1, is composed of 292 amino acids with three TPR motifs, as a Galpha16-binding protein. The interaction was confirmed both in vitro and in transfected mammalian cells, where TTC1 also binds to several other Galpha proteins. TTC1 was found to interact with Ha-Ras preferentially in its active form. Recombinant human TTC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

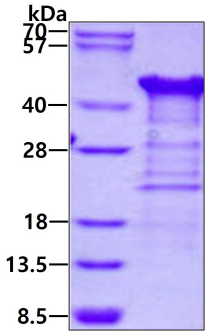
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General References

Liu AM., et al. (2011) BMC Struct Biol. 13
11:17
Strausberg RL., et al. (2007) Proc. Natl. Acad. Sci. u.S.A. 26:16899-16903

DATA

SDS-PAGE



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