

TTC1, 1-292aa, Human, His tag, E.coli

Cat.NO.: TP04334

3th Edition

Synonyms:Tetratricopeptide repeat protein 1, TPR1

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMGEKSENCVPEDLLNGLKVTDTQEAECAGPPVPDPKNQHSQSKLLRDD
EAHLQEDQGEEECFHDCSASFEEEPGADKVENKSNEDVNSSELDEEYLIELEKNMSDEEKQKRREESTRLKEEGN
EQFKKGDYIEAESSYSRALEMCPSCFQKERSILFSNRAAARMKQDKKEMAINDCSKAIQLNPSYIRAILRRAELYEKT
DKLDEALEDYKSILEKDPsiHQAREACMRLPKQIEERNERLKEEMLGKLKDLGNLVLRFGLSTENFQIKQDSSTGS
YSINFVQNPNNNR

Purity:> 95% by HPLC

Concentration:1 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.