

Recombinant Human Tetratricopeptide Repeat Domain 1, His-tagged

Cat. No. TTC1-6953H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TTC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-292aa
Description	TTC1 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Mass	36.1 kDa (316aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher).
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGS HMGEKSE NCGVPEDLLN GLKVTDTQEA ECAGPPVPDP KNQHSQSKLL RDDEAHLQED QGEEECFHDC SASFEEEPGA DKVENKSNED VNSSELDEEY LIELEKNMSD EEKQKRREES TRLKEEGNEQ FKKGDYIEAE SSYSRALEMC PSCFQKERSI LFSNRAAARM KQDKKEMAIN DCSKAIQLNP SYIRAILRRA ELYEKTDKLD EALEDYKSIL EKDPSIHQAR

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	EACMRLPKQI EERNERLKEE MLGKLKDLGN LVLRPFGLST ENFQIKQDSS TGSYSINFVQ NPNNNR
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	TTC1 tetratricopeptide repeat domain 1 [Homo sapiens]
Official Symbol	TTC1
Synonyms	TTC1; tetratricopeptide repeat domain 1; tetratricopeptide repeat protein 1; TPR1; TPR repeat protein 1; FLJ46404;
Gene ID	7265
mRNA Refseq	NM_003314
Protein Refseq	NP_003305
MIM	601963
UniProt ID	Q99614

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Chromosome Location	5q32-q33.2
Function	protein binding; unfolded protein binding;