

TIPIN, 1-301aa, Human, His tag, E.coli

Cat.NO.: TP04226

3th Edition

Synonyms: TIMELESS interacting protein, TIMELESS-interacting protein

Description: TIPIN belongs to the CSM3 family. This protein is required for normal progression of S-phase and important for cell survival after DNA damage or replication stress. TIPIN may be specifically required for the ATR-CHEK1 pathway in the replication checkpoint induced by hydroxyurea or ultraviolet light. Recombinant human TIPIN, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 36.9kDa (324 aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMLEPQENGVIDLPDYEHVEDETFFPPFPPASPQRDGEGETEPDEESGNGA
PVPVPPKRTVKRNIPKLDQAQLISERGLPALRHVFDKAKFKGKGHEAEDLKMLIRHMEHWAHRLFPKLFQFEDFIDRV
EYLGSKKEVQTCLKRIRLDLPILHEDFVSNNDVAENNEHDVTSTELDPFLTNLSESEMFASELSRSLTEEQQQRIER
NKQLALERRQAKLLSNSQTLGNDMLMNTPRAHTVEEVNTDEDQKEESNGLNEDILDNPNDAIANLNEEETLLDQ
SFKNVQQQLDATSRNITEAR

Purity: > 95% by HPLC

Concentration: 0.5 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.