

**GINS4, 1-223aa, Human, His tag, E.coli**

**Cat.NO.: TP02242**

3th Edition

**Synonyms:**DNA replication complex GINS protein SLD5, SLD5, GINS complex subunit 4

**Description:**GINS4 plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. GINS4 is important for GINS complex assembly. GINS complex seems to bind preferentially to singlestranded DNA. Recombinant human GINS4 protein, 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 0.2M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:**28.2 kDa (243aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMTEEVDLFGQSDSGGSEEVVLTPAELIERLEQAWMNEKFAPELLESKPEIVECVM  
EQLEHMEENLRRRAKREDLKVSIHQMEMERIRYVLSSYLRCRLMKIEKFFPHVLEKEKTRPEGEPSSLSPEELAFARE  
FMANTESYLKNVALKHMPPNLQKVDLFRVLPKPDLSYVFLVRERQENILVEPDTDEQRDYVIDLEKGSQHLIRYK  
TIAPLVASGAVQLI

**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.