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AR50616PU-N Human GINS4 / SLD5 (1-223, His-tag) - Purified

Alternate names: DNA replication complex GINS protein SLD5, GINS complex subunit 4

Quantity: 0.1 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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 single-stranded DNA.

Uniprot ID: Q9BRT9

NCBI: NP_115712

GeneID: 84296

Species: Human

Source: E. coli

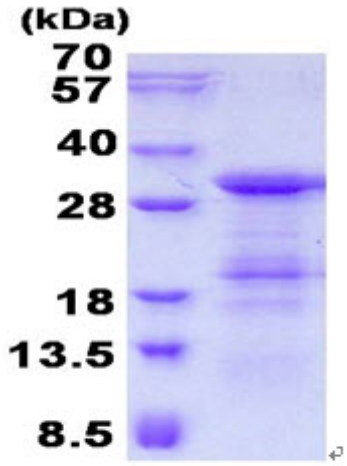
Format: **State:** Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Description: Recombinant human GINS4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MTEEVDFLGQ DSDGGSEEVV LTPAELIERL EQAWMNEKFA
PELLESKPEI VECVMEQLEH MEENLRRAKR EDLKVSIHQM EMERIRYVLS SYLRCRLMKI
EKFFPHVLEK EKTRPEGEPS SLSPEELAFA REFMANTESY LKNVALKHMP PNLQKVDLFR
AVPKPDLDSY VFLRVRERQE NILVEPDTDE QRDYVIDLEK GSQHLIRYKT IAPLVASGAV QLI
Molecular weight: 28.2 kDa (243aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Kamada K., et al. (2007) Nat. Struct. Mol. Biol. 14:388-396Chang Y.P., et al. (2007) Proc. Natl. Acad. Sci. U.S.A. 104:12685-12690

Pictures:



15% SDS-PAGE (3ug)