

Recombinant human SLD5/GINS4 protein

Catalog Number: ATGP1792

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-223aa

UniProt No.

Q9BRT9

NCBI Accession No.

NP_115712

Alternative Names

DNA replication complex GINS protein SLD5, GINS complex subunit 4, GINS4, SLD5

PRODUCT SPECIFICATION

Molecular Weight

28.2 kDa (243aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 single-stranded DNA. Recombinant human GINS4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MTEEVDLFGQ DSDGGSEEVV LTPAELIERL EQAWMNEKFA PELLESKPEI VECVMEQLEH

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MEENLRRRAKR EDLKVSIHQM EMERIRYVLS SYLRCRLMKI EKFFPHVLEK EKTRPEGEPS SLSPEELAFA REFMANTESY
LKNVALKHMP PNLQKVDLFR AVPKPDLSY VFLRVRERQE NILVEPDTDE QRDYVIDLEK GSQHLIRYKT IAPLVASGAV QLI

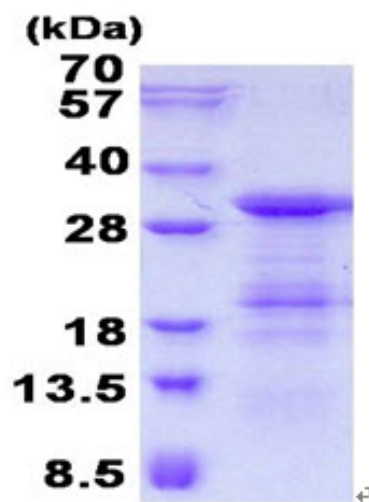
General References

Kamada K., et al. (2007) Nat. Struct. Mol. Biol. 14:388-396

Chang Y.P., et al. (2007) Proc. Natl. Acad. Sci. u.S.A. 104:12685-12690

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)