

Recombinant Human GINS complex subunit 4 (Sld5 homolog), His-tagged

Cat. No. GINS4-353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GINS4, 1-223aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-223 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	28.2 kDa (243aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MTEEVDFLGQ DSDGGSEEVV LTPAELIERL EQAWMNEKFA PELLESKPEI VECVMEQLEH MEENLRRRAKR EDLKVSIHQM EMERIRYVLS SYLRCRLMKI EKFFPHVLEK EKTRPEGEPS SLSPEELAFA REFMANTESY LKNVALKHMP PNLQKVDLFR AVPKPDLDYS VFLRVRRERQE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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NILVEPDTDE QRDYVIDLEK GSQHLIRYKT IAPLVASGAV QLI

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [GINS4 GINS complex subunit 4 \(Sld5 homolog\) \[Homo sapiens \]](#)

Official Symbol GINS4

Synonyms SLD5

Gene ID [84296](#)

mRNA Refseq [NM_032336.2](#)

Protein Refseq [NP_115712.1](#)

MIM [610611](#)

UniProt ID [Q9BRT9](#)

Chromosome Location 8p11.21

Pathway Cell Cycle, organism-specific biosystem;Cell Cycle, Mitotic, organism-specific biosystem;DNA Replication, organism-specific biosystem;DNA strand elongation,

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organism-specific biosystem;GINS complex, organism-specific biosystem;S Phase,
organism-specific biosystem;Synthesis of DNA, organism-specific biosystem;

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