

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

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

## SPECIFICATION

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

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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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