

## Recombinant Human GINS2 protein, T7-tagged

**Cat. No.** GINS2-153H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human GINS2 ( 185aa ) protein fused with T7 Tag (17aa)at N-terminal was expressed in E. coli.                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 185 a.a.                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | 0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.                                                                                                                                                                       |
| <b>AA Sequence</b>      | MASMTGGQQMGRGEFGSMDAAEVEFLAEKELVTIIPNFSLDKIYLIGGDLGPFNPGL<br>PVEVPLWLAINLKQRQKC RLLPPEWMDVEKLEKMRDHERKEETFTPMPSPYMEL<br>TKLLLNHASDNIPKADEIRTLVKDMWDTRIAKLRVSAD SFVRQQEAHAKLDNLTLMEL<br>NTSGTFLTQALNHMYKLRTNLQPLESTQSQDF                                                                                          |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | 1. May be used for mapping GINS2 protein – protein interaction assay.2. May be used as specific substrate protein for kinase and ubiquitin (Sumo pathway) related enzyme functional screening assays.3. Potential biomarker protein for breast cancer diagnosis.4. May be used for specific antibody production. |
| <b>Storage</b>          | Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.                                                                                                                                                                                                                             |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | GINS2 GINS complex subunit 2 (Psf2 homolog) [ Homo sapiens ]                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | GINS2                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | GINS2; GINS complex subunit 2 (Psf2 homolog); DNA replication complex GINS protein PSF2; Pfs2; PSF2; HSPC037;                                                                                                                                                                                                                |
| <b>Gene ID</b>             | 51659                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_016095                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | NP_057179                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | 610609                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | Q9Y248                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 16q24.1                                                                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA strand elongation, organism-specific biosystem; GINS complex, organism-specific biosystem; S Phase, organism-specific biosystem; Synthesis of DNA, organism-specific biosystem; |
| <b>Function</b>            | protein binding;                                                                                                                                                                                                                                                                                                             |

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