

Recombinant Human Germ Cell Associated 2 (haspin), GST-tagged

Cat. No. GSG2-1586H **Lot. No.** (See product label)

SPECIFICATION

| | |
|--------------------------|--|
| Product Overview | Recombinant human GSG2 (470-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. |
| Species | Human |
| Source | Sf9 Cells |
| ProteinLength | 470-end a.a. |
| Description | GSG2 is a protein kinase that regulates chromosome and spindle function during mitosis and meiosis. GSG2 expression is detected in fetal liver, skin, kidney, small intestine and in all proliferating cells. GSG2 phosphorylates H3 thr3 (H3T3ph) in human cell lines and depletion of GSG2 by RNA interference reveals that GSG2 is required for H3 thr3 phosphorylation in mitotic cells. |
| Applications | Kinase Assay; Western Blot |
| Molecular Weight | 64 kDa |
| Expression System | Sf9 insect cells using baculovirus |
| Form | Recombinant protein stored in 50 mM Tris-HCl, PH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol. |

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|--------------------------|---|
| Purity | >75% |
| Concentration | 0.1 ug/ul |
| Specific Activity | 18 nmol/min/mg |
| Sequences | 470-end |
| Storage | Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| GENE INFORMATION | |
| Gene Name | GSG2 germ cell associated 2 (haspin) [Homo sapiens] |
| Official Symbol | GSG2 |
| Synonyms | GSG2; germ cell associated 2 (haspin); HASPIN; serine/threonine-protein kinase haspin; H-haspin; OTTHUMP00000115873; germ cell-specific gene 2 protein; haploid germ cell-specific nuclear protein kinase |
| Gene ID | 83903 |
| mRNA Refseq | NM_031965 |
| Protein Refseq | NP_114171 |
| MIM | 609240 |
| UniProt ID | Q8TF76 |

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

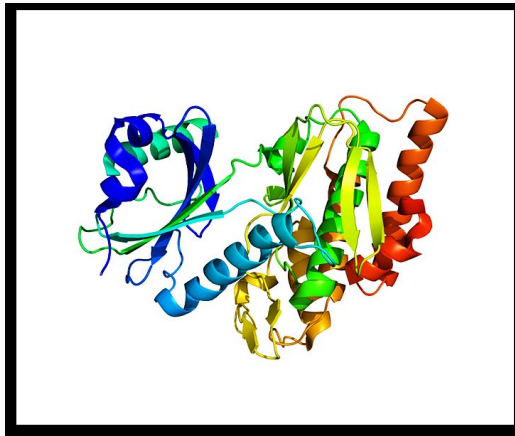
Chromosome

17p13

Location**Function**

ATP binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity

Rendering based on
PDB 2VUW.



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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA