

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

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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

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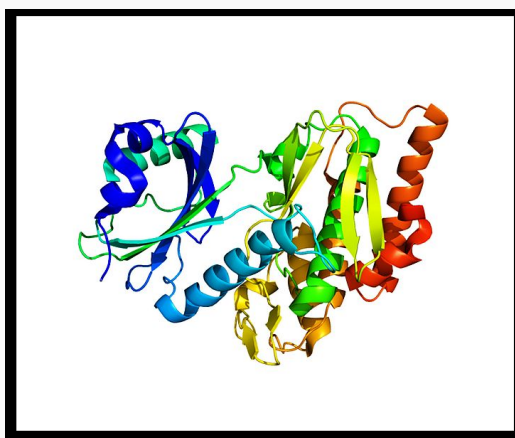
**Chromosome
Location**

17p13

Function

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

**Renderingbased on
PDB 2VUW.**



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