



## Human GSG2 peptide (DAG-P0527)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	Required for normal alignment of chromosomes at metaphase. Phosphorylates histone H3 'Thr-3' during mitosis.
<b>Specificity</b>	Strongly expressed in testis. Also present in thymus and bone marrow and low levels observed in prostate, intestine, lung, spleen and lymph node. Expressed in fetal skin, liver, kidney and small intestine and also in proliferating but not non-proliferatin
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Haspin subfamily.Contains 1 protein kinase domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">GSG2 germ cell associated 2 (haspin) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	GSG2
<b>Synonyms</b>	GSG2; germ cell associated 2 (haspin); HASPIN; serine/threonine-protein kinase haspin; H-haspin; germ cell-specific gene 2 protein; haploid germ cell-specific nuclear protein kinase;
<b>Entrez Gene ID</b>	<a href="#">83903</a>
<b>mRNA Refseq</b>	<a href="#">NM_031965.2</a>

<b>Protein Refseq</b>	<a href="#">NP_114171.2</a>
<b>UniProt ID</b>	A0PJ70
<b>Chromosome Location</b>	17p13
<b>Function</b>	ATP binding; DNA binding; histone kinase activity (H3-T3 specific); protein binding; protein kinase activity;