

Haspin (GSG2) Recombinant Protein

Haspin (GSG2), Active

CATALOG # AAA73581	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

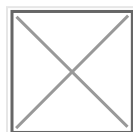
PRODUCT SYNONYMS

Haspin (GSG2); Active; GSG2; HASPIN; Haspin (GSG2) recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for Haspin (GSG2) recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for Haspin (GSG2) recombinant protein	Recombinant human Haspin (GSG2)(470-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_031965. Haspin is a protein kinase that regulates chromosome and spindle function during mitosis and meiosis. Haspin expression is detected in fetal liver, skin, kidney, small intestine and in all proliferating cells. Haspin phosphorylates H3 thr3 (H3T3ph) in human cell lines and depletion of Haspin by RNA interference reveals that Haspin is required for H3 thr3 phosphorylation in mitotic cells (1). Phosphorylation of H3T3pHby Haspin is necessary for chromosomal passenger complex (CPC) accumulation at centromeres. H3T3pHthen positions the CPC at centromeres to regulate selected targets of Aurora B during mitosis (2).
Product Categories/Family for Haspin (GSG2) recombinant protein	Protein Kinases; Cell Cycle; Ser/Thr Kinases
References	1. Dai, J. et al: The kinase haspin is required for mitotic histone H3 Thr 3 phosphorylation and normal metaphase chromosome alignment. Genes Dev. 19: 472-488, 2005. 2. Wang, F. et al: Histone H3 Thr-3 phosphorylation by Haspin positions Aurora B at centromeres in mitosis. Science 330: 231-235, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_031965
Molecular Weight	~64kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/haspin-gsg2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73581>