

Datasheet for ABIN7565259

## GSG2 Protein (AA 1-754) (His tag)



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### Overview

Quantity:	1 mg
Target:	GSG2
Protein Characteristics:	AA 1-754
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSG2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinant Haspin Protein expressed in mammalian cells.
Sequence:	<p>MAQAHPRSGT RLFRTYAARG VRGSQRQPGG LAEQWFQPPN LKRAFSSSL S DSNESPAVAS</p> <p>DDPDDPDFPG SLVGQRRRRP RGSGSRNQRT LTNTPRVQRL RPRPPQKCST PCSRLRPPPF</p> <p>PNCSPGCLGS DHSVCIQSRD SNELGTSASL FSSPASPGAP DPLYADSAVP GSFHLPAAASL</p> <p>SEPSVPCPQV AATGDRYTGR ALRAEASF RS SLFSLVNSGA TEENKFGTDG ENVKESCCER</p> <p>RQQMGNRLTD PDLTSPGKRK AACKKVVSQG VDQRDYEES ACKDLRVPGE ISRPKRTGPL</p> <p>RKRKQQEATG TPRRHYHQS KKRKASVSLW NLNTSQRDSW TKTRASFGFH KKKIITSVIE</p> <p>VCSSVASSSS RLLSECSTP PIKNRAHLTV SSRCSVYLL SPLKTLHVTD QRPSYAEKVY</p> <p>GECNQEGPIP FSDCLSTEKL ERCEKIGEGV FGEVFQIIND QAPVALKIIA IEGDLVNGS</p> <p>HQKTFFEEILP EIIISKELSL LSSEAYNRTE GFIGNSVHC VQGLYPPLL KAWDHYNTTK</p> <p>RSANDRPDFF QEDQLFIILE FEGGVDLER MKTKLSSVAT AKSILHQITA SLAVAEASLH</p> <p>FEHRDLHWGN VLLKKTNLKE LRYTLNGKTS TIPTHGLQVN IIDYTLRLE RDGIVVFCDI</p>

## Product Details

SAEEDLFTGE GDYQFEIYRL MRKENKNCWG EYHPYNNVLW LHYLTDKILN KMKFKTKCQS  
AAMKQIRKNL QHFHRTVLSF SSATDLLCQH SLFR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	GSG2
Alternative Name:	Haspin ( <a href="#">GSG2 Products</a> )
Background:	<p>Serine/threonine-protein kinase haspin (EC 2.7.11.1) (Germ cell-specific gene 2 protein) (Haploid germ cell-specific nuclear protein kinase),FUNCTION: Serine/threonine-protein kinase that phosphorylates histone H3 at 'Thr-3' (H3T3ph) during mitosis. May act through H3T3ph to both position and modulate activation of AURKB and other components of the chromosomal passenger complex (CPC) at centromeres to ensure proper chromatid cohesion, metaphase alignment and normal progression through the cell cycle. {ECO:0000250 UniProtKB:Q8TF76}.</p>
Molecular Weight:	84.2 kDa

## Target Details

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UniProt: [Q9Z0R0](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months