

Datasheet for ABIN7554075  
**GSG2 Protein (AA 1-798) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GSG2
Protein Characteristics:	AA 1-798
Origin:	Human
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 recombinat HASPIN Protein expressed in mammalian cells.
Sequence:	MAASLPGPS RLFRTYGAAD GRRQRRPGRE AAQWFPPQDR RRFFNSSGSS DASIGDPSQS DDPDDPDDPD FPGSPVRRRR RRPGRVPKD RPSLTVTPKR WKLRARPSLT VTPRRLGLRA RPPQKCSTPC GPLRLPPFPS RDSGRLSPDL SVCQGPRDGD ELGISASLFS SLASPCPGSP TPRDSVISIG TSACLVAASA VPSGLHLPEV SLDRASLPCS QEEATGGAKD TRMVHQTRAS LRSVLFGLMN SGTPEDSEFR ADGKNMRESC CKRKLVVGNP PEGPGLSSTG KRRATGQDSC QERGLQEAVR REHQEASVPK GRIVPRGIDR LERTRSSRKS KHQEATETSL LSHRFKKGQ KLGKDSFPTQ DLTPQLNVCF WTKTRASFSF HKKKIVTDVS EVCSIYTTAT SLSGSLLSEC SNRPVMNRTS GAPSSWHSSS MYLLSPLNTL SISNKKASDA EKVYGECSQK GPVPFSLCLP TEKLQRCEKI GEGVFGEVFQ TIADHTPVAI KIAIEGPD L VNGSHQKTFE EILPEIISK ELSLLSGEVC NRTEGFIGLN SVHCVQGSYP PLLLKAWDHY NSTKGSANDR PDFFKDDQLF IVLEFEFGGI DLEQMRTKLS SLATAKSILH QLTA SLAVAE ASLRFEHRDL HWGNVLLKKT SLKKLHYTLN

GKSSTIPSCG LQVSIIDYTL SRLERDGIIV FCDVSMDEDL FTGDGDYQFD IYRLMKKENN  
NRWGEYHPYS NVLWLHYLTD KMLKQMTFKT KCNTPAMKQI KRKIQEFHRT MLNFSSATDL  
LCQHSLFK **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:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

GSG2

Alternative Name:

HASPIN ([GSG2 Products](#))

Background:

Serine/threonine-protein kinase haspin (EC 2.7.11.1) (Germ cell-specific gene 2 protein) (H-haspin) (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:0000269|PubMed:11228240, ECO:0000269|PubMed:15681610,  
ECO:0000269|PubMed:17084365, ECO:0000269|PubMed:20705812,

## Target Details

ECO:0000269|PubMed:20929775}.

Molecular Weight: 88.5 kDa

UniProt: [Q8TF76](#)

## Application Details

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

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