

Datasheet for ABIN7557464  
**SPDYA Protein (AA 1-310) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SPDYA
Protein Characteristics:	AA 1-310
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPDYA protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Spdya Protein expressed in mammalian cells.
Sequence:	MRHNQMYCET PPTVTIHVKS GSNRSHQTRK PISLKRPIK DSWEASENNA QNNKSKRPRG PCLIIQRQEM TAFFKLFDDD LIQDFLWDC CCKIADKYLL AMTFVYFKRA KFTINEHTRI NFFIALYLAN TVEEDEEEAK YEIFPWALGK NWRKLFNPL KLRDQLWDRI DYRAIVSRRC CEEVMAIAPT HYIWQRERSV HHSGAVRNYN RDEVHLPRGP SATPVDCSLC GKKGRYVRLG LSSSSSSSD TGELMEKDSQ ELHSAFSVDT AGDPPHTYSQ VANDHQSNE NETNFVKKNK SVEWFAESEE <b>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.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

---

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

---

## Target Details

---

Target:	SPDYA
Alternative Name:	Spdya ( <a href="#">SPDYA Products</a> )
Background:	Speedy protein A (Protein expressed in male leptotene and zygotene spermatocytes 465) (MLZ-465) (Rapid inducer of G2/M progression in oocytes A) (RINGO A) (mSpy/Ringo A) (Speedy-1) (Spy1),FUNCTION: Regulates the G1/S phase transition of the cell cycle by binding and activating CDK1 and CDK2 (PubMed:15611625). Contributes to CDK2 activation without promoting CDK2 phosphorylation, by inducing a conformation change of the CDK2 T-loop that obstructs the substrate-binding cleft prior to kinase activation. Interferes with CDKN1B-mediated inhibition of CDK2. Mediates cell survival during the DNA damage process through activation of CDK2 (By similarity). {ECO:0000250 UniProtKB:Q5MJ70, ECO:0000269 PubMed:15611625}.
Molecular Weight:	36.1 kDa
UniProt:	<a href="#">Q5IBH7</a>

## Application Details

---

Application Notes: We expect the protein to work for functional studies. 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

---