

Datasheet for ABIN7560314  
**SPEF1 Protein (AA 1-234) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SPEF1
Protein Characteristics:	AA 1-234
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPEF1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Spef1 Protein expressed in mammalian cells.
Sequence:	MESSVDEEAL HQLYLWVDNI PLSRPKRNLSD FSDGVLVA ELIKFYFPKM VEMHNYVPAN SLQQKLSNWG HLN RKVLNKL NFSVPDDVMR KIAQCSPGVV ELVLIPLRQR LEERQRRQKL GVGSLQELAP QDSSGYMDMG LPQKVRGEGA PALGEQLREG RPLASRPPGY NQALQGDP SF VLQIAEKEQE LLASQETVQV LQMVKRLEH LLQLKNVRID DLSRRLQQAE RKQR <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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	SPEF1
Alternative Name:	Spf1 ( <a href="#">SPEF1 Products</a> )
Background:	<p>Sperm flagellar protein 1 (Calponin-homology and microtubule-associated protein),FUNCTION: Microtubule-associated protein that promotes microtubule bundling and stabilizes microtubules against depolymerization in response to cold shock (PubMed:16206169).</p> <p>Microtubule-associated protein involved in the stabilization of microtubules along the axis of migration during radial intercalation. Promotes the establishment and stabilization of an axis of microtubules required for the active migration of cells into the outer epithelium (By similarity). Essential for ciliary central apparatus formation which requires both its microtubule-binding and bundling activities and for ciliary localization of HYDIN and SPAG6 in ependymal cilia (PubMed:30535028). Binds actin in intestinal epithelial cells (IECs), essential for IECs survival and contributes to formation of filopodia and lamellipodia in migrating IECs (By similarity). Regulates planar cell polarity signaling pathway and asymmetric microtubule accumulation in ciliated epithelia (By similarity). {ECO:0000250 UniProtKB:Q0IH24, ECO:0000269 PubMed:16206169, ECO:0000269 PubMed:30535028}.</p>
Molecular Weight:	26.8 kDa

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## Target Details

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UniProt: [Q99JL1](#)

## Application Details

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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

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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