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Datasheet for ABIN7559375

**C19orf46 Protein (AA 1-388) (His tag)**

## Overview

Quantity:	1 mg
Target:	C19orf46
Protein Characteristics:	AA 1-388
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C19orf46 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Syne4 Protein expressed in mammalian cells.
Sequence:	MALVPPLGRE FPPEPVNCP L AAPRELDVVG GTICPAPEEE TSRPEVQAS LGLPEHCMGE LKSTESATSP SRLPLASSHE HQDGGKPECH SDSGLEVLEA EQDSLHLCLL RLNFRLQDLE RGLGSWTLAH NRIVQMQUALQ AELRGAAERV DALLAFGEGL AERSEPRAWA SLEQVLRALG THRDTIFQRL WQLQAQLISY SLVLEKANLL DQDLEVEGDS DGPAAGGVWG PWAPSTFPTP AELEWDPAGD VGGLGPSGQK ISRIPGAPCE LCGYRGPQSS GQGLEDLLSL GLGHRKHLAA HRRRLRKPKQ DRKRQVSPSL PDAMLEVDRG VPAPASKRPL TLFFLLLFL L LVGATLLLPL SGVSCCSHAR LARTPYLVLS YVNGLPPI <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.

## Product Details

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### 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

C19orf46

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### Alternative Name:

Syne4 ([C19orf46 Products](#))

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### Background:

Nesprin-4 (KASH domain-containing protein 4) (KASH4) (Nuclear envelope spectrin repeat protein 4),FUNCTION: As a component of the LINC (Linker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning (By similarity). Behaves as a kinesin cargo, providing a functional binding site for kinesin-1 at the nuclear envelope. Hence may contribute to the establishment of secretory epithelial morphology, by promoting kinesin-dependent apical migration of the centrosome and Golgi apparatus and basal localization of the nucleus. {ECO:0000250, ECO:0000269|PubMed:19164528}.

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### Molecular Weight:

42.0 kDa

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### UniProt:

[Q8CII8](#)

## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months