

Datasheet for ABIN7563777

Nesprin3 Protein (AA 1-975) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Nesprin3 (C14orf49)
Protein Characteristics:	AA 1-975
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Nesprin3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Syne3 Protein expressed in mammalien cells.
Sequence:	MTQQPQEDFE RSVEDAQAWM KVIQEQLQVN DNTKGPRAAL EARLRETEKI CQLESEGMVK VELVLRAAEA LLATCQEGQK PEILARLRDI KSQWEETVTY MTHCHSRIEW VWLHWSEYLL AQDEFYRWFQ KVVVALEPPV ELQLGLKEKQ WQLSHAQVLL HNVDNQAVLL DRLLEEAGSL FSRIGDPSVD EDAQKRMKAE YDAVKARAQR RVDLLAQAQ DHEQYREDVN EFQLWLKAVV EKVHSLGRN CKLATELRLS TLQDIKDFP RGEESLKRLE EQAVGVIQNT SPLGAEKISG ELEEMRGVLE KLRVLWKEEE GRLRGLLSR GDCEQQIQQE EAELGDFKKS LQRLAQEGLE PTVKTATEDE LVAQWRLFSG TRAAALASEEP RVDRLQTQLK KLVTFPDLQS LSDSVVATIQ EYQSMKGKNT RLHNATRAEL WQRFQRPLND LQLWKALAQR LLDITASLPD LASIHTFLPQ IEAALTESSR LKEQLAMLQL KTDLLGSIFG QERAATLLEQ VTSSVRDRDL LHNSLLQRKS KLQSLLVQHK DFGVAFDPLN RKLLDLQARI QAEKGLPRDL PGKQVQLLRL QGLQEEGLDL GTQIEAVRPL AHGNSKHQK VDQISCDQQA LQRSLEDLVD RCQQNVREHC TFSHRLSELQ

Product Details

LWITMATQTL ESHQGDVRLW DAESQEAGLE TLLSEIPEKE VQVSLQLALG QLVMKKSSPE
GATMVQEELR KLMESWQALR LLEENMLSLM RNQQLQRTEV DTGKKQVFTN NIPKAGFLIN
PQDPIRRQH GANPLEGHDL PEDHPQLLRD FEQWLQAENS KLRRIITMRV ATAKDLRTRE
VKLQELEARI PEGQHLEFENL LRLRPARDPS NELEDLRYRW MLYKSKLKDS GHLLTESSPG
ELTAFQKSRR QKRWSPCSLL QKACRVALPL QLLLLLFLLL LFLLPAGEEEE RSCALANNFA
RSFALMLRYN GPPPT **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:

Nesprin3 (C14orf49)

Alternative Name:

Syne3 ([C14orf49 Products](#))

Background:

Nesprin-3 (KASH domain-containing protein 3) (KASH3) (Nuclear envelope spectrin repeat protein 3),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

Target Details

positioning. Probable anchoring protein which tethers the nucleus to the cytoskeleton by binding PLEC which can associate with the intermediate filament system. Plays a role in the regulation of aortic epithelial cell morphology, and is required for flow-induced centrosome polarization and directional migration in aortic endothelial cells (By similarity). {ECO:0000250, ECO:0000269|PubMed:16330710}.

Molecular Weight: 112.0 kDa

UniProt: [Q4FZC9](#)

Pathways: [Maintenance of Protein Location](#)

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