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## Datasheet for ABIN7319939

### Merlin Protein (His tag)

#### Overview

Quantity:	100 µg
Target:	Merlin (NF2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Merlin protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Human Merlin/NF2 protein (His Tag)
Sequence:	1M-595L
Characteristics:	A DNA sequence encoding the Human Merlin/NF2 (P35240-1) (1M-595L) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>90 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Immunogen(E-AB-40336)

#### Target Details

Target:	Merlin (NF2)
Alternative Name:	Merlin/NF2 ( <a href="#">NF2 Products</a> )
Background:	Background: Probable regulator of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway, a

## Target Details

signaling pathway that plays a pivotal role in tumor suppression by restricting proliferation and promoting apoptosis. Along with WWC1 can synergistically induce the phosphorylation of LATS1 and LATS2 and can probably function in the regulation of the Hippo/SWH (Sav/Wts/Hpo) signaling pathway. May act as a membrane stabilizing protein. May inhibit PI3 kinase by binding to AGAP2 and impairing its stimulating activity. Suppresses cell proliferation and tumorigenesis by inhibiting the CUL4A-RBX1-DDB1-VprBP/DCAF1 E3 ubiquitin-protein ligase complex.

Synonym: CAN, BANF, Bilateral acoustic neuroma, MERL\_HUMAN, Merlin, Moesin ezrin radixin like protein, Moesin ezrin radixin like, Moesin-ezrin-radixin-like, Neurofibromatosis 2, Neurofibromatosis type 2, Neurofibromatosis2, NF 2, SCH, Schwannomerlin

Molecular Weight: 69.7kDa

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as sterile Tris,EDTA,PH 8.0.

Storage: -20 °C,-80 °C

Storage Comment: Samples are stable for up to twelve months from date of receipt at -70°C.Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.