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Datasheet for ABIN7504952

**Merlin Protein (AA 1-595) (His tag)**

## Overview

Quantity:	100 µg
Target:	Merlin (NF2)
Protein Characteristics:	AA 1-595
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Merlin protein is labelled with His tag.

## Product Details

Sequence:	Met1-Leu595
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.

## Target Details

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

## Target Details

(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: 69.7 kDa

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

## Application Details

Comment: used as Immunogen for (ABIN6999888, ABIN7234196, ABIN7234197 and ABIN7234198)

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4., 5 % trehalose, 5 % mannitol, 0.01 % tween-80.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months