



# Recombinant Human Merlin (NF2)

<b>Product Code</b>	CSB-EP015741HU
<b>Relevance</b>	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 (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.
<b>Abbreviation</b>	Recombinant Human NF2 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P35240
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	MAGAIASRMSFSSSLKRKQPKTFTVRIVTMDAEMEFNCEMKWKGKDLFDLVCR TLGLRETWFFGLQYTIKDTVAVLWKMDKKVLDHDVSKKEEPVTFHFLAKFYFENA EEELVQEITQHLLFQVKKQILDEKIYCPPEASVLLASYAVQAKYGDYDPSVHK RGFLAQEELLPKRVINLYQMTPEMWEERITAWYAEHRGRARDEAEMEYLKIAQ DLEMYGVNYFAIRNKKGTELLLGVDALGLHIYDPENRLTPKISFPWNEIRNISYS DKEFTIKPLDKKIDVFKFNSSKLRVNLKILQLCIGNHDLFMRRRKADSLEVQQM KAQAREEKARKQMERQRLAREKQMREEAERTRDELERRLLQMKEEATMANE ALMRSEETADLLAEKAQITEEEAKLLAQKAAEAQEMQRIKATAIRTEEEKRLM EQKVLEAEVLALKMAEESERRAKEADQLKQDLQEAREAEERRAKQKLEIATKP TYPPMNPAPLPPDIPSFNLIGDSLDFDKDTDMKRLSMEIEKEKVEYMEKSK HLQEQLNELKTEIEALKLKERETALDILHNENSDRGGSSKHNTIKKLTLSAKSR VAFFEEL
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	NF2
<b>Protein Names</b>	Moesin-ezrin-radixin-like protein Neurofibromin-2 Schwannomerlin Schwannomin SCH
<b>Expression Region</b>	1-595aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

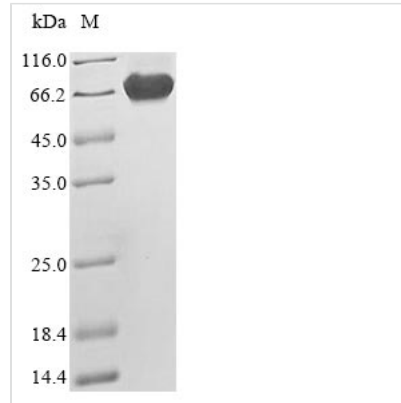


**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 73.7 kDa

**Protein Length** Full Length

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

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