



# Recombinant Rat Merlin (Nf2)

<b>Product Code</b>	CSB-EP726923RA-B
<b>Abbreviation</b>	Nf2
<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>	Q63648
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	IASRMSFSSL KRKQPKTFTV RIVTMDAEME FNCMKWKVK DLFDLVCRTL GLRETWFFGL QYTIKDTVAV LKMDKKVLDH DVSKEEPVTF HFLAKFYFEN AEEELVQEIT QHLFFLQVKK QILDEKVYCP PEASVLLASY AVQAKYGDYD PSVHKRGFLA QEELLPKRVI NLYQMTPEMW EERITAWYAE HRGRARDEAE MEYLKIAQDL EMYGVNYFTI RNKKGTELLL GVDALGLHIY DPENRLTPKI SFPWNEIRNI SYSDKEFTIK PLDKKIDVFK FNSSKLRVVK LILQLCIGNH DLFMRRRKAD SLEVQQMKAQ AREEKARKQM ERQLAREKQ MREEAERSRD EPERRVLHMK EEATMANEAL MRSEETADLL AEKAQITEEE AKLLAQKAAE AEQEMQRIKA TAIRTEEEKR LMEQKVLEAE VLALKMAEES ERRAKEADQL KQDLQEAREA ERRAKQKLE IATKPTYPPM NPIPAPLPPD IPSFDIIGDS LSFDFKDTDM KRLSMEIEKE KVEYMEKSKH LQEQLNELKT EIEALKLKER ETALDILHSE HSDSGTSSKH NTIKKPQAQG RRPICI
<b>Source</b>	E.coli
<b>Target Names</b>	Nf2
<b>Protein Names</b>	Recommended name: Merlin Alternative name(s): Moesin-ezrin-radixin-like protein Neurofibromin-2 Schwannomin
<b>Expression Region</b>	1-586
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a protein that is similar to some members of the ERM (ezrin, radixin, moesin) family of proteins that are thought to link cytoskeletal components with proteins in the cell membrane. This gene product has been shown to interact with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. This gene is expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations in this gene are associated with neurofibromatosis type II which is



characterized by nervous system and skin tumors and ocular abnormalities. Two predominant isoforms and a number of minor isoforms are produced by alternatively spliced transcripts.

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**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.

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**Shelf Life**

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