Recombinant Human Merlin (NF2)

Product Code	CSB-EP015741HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35240
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAGAIASRMS FSSLKRKQPK TFTVRIVTMD AEMEFNCEMK WKGKDLFDLV CRTLGLRETW FFGLQYTIKD TVAWLKMDKK VLDHDVSKEE PVTFHFLAKF YPENAEEELV QEITQHLFFL QVKKQILDEK IYCPPEASVL LASYAVQAKY GDYDPSVHKR GFLAQEELLP KRVINLYQMT PEMWEERITA WYAEHRGRAR DEAEMEYLKI AQDLEMYGVN YFAIRNKKGT ELLLGVDALG LHIYDPENRL TPKISFPWNE IRNISYSDKE FTIKPLDKKI DVFKFNSSKL RVNKLILQLC IGNHDLFMRR RKADSLEVQQ MKAQAREEKA RKQMERQRLA REKQMREEAE RTRDELERRL LQMKEEATMA NEALMRSEET ADLLAEKAQI TEEEAKLLAQ KAAEAEQEMQ RIKATAIRTE EEKRLMEQKV LEAEVLALKM AEESERRAKE ADQLKQDLQE AREAERRAKQ KLLEIATKPT YPPMNPIPAP LPPDIPSFNL IGDSLSFDFK DTDMKRLSME IEKEKVEYME KSKHLQEQLN ELKTEIEALK LKERETALDI LHNENSDRGG SSKHNTIKKL TLQSAKSRVA FFEEL
Source	E.coli
Target Names	NF2
Protein Names	Recommended name: Merlin Alternative name(s): Moesin-ezrin-radixin-like protein Neurofibromin-2 Schwannomerlin Schwannomin
Expression Region	1-595
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.

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	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.