



# Recombinant Human Periphilin-1 (PPHLN1)

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| <b>Product Code</b>      | CSB-EP843343HU-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Abbreviation</b>      | PPHLN1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q8NEY8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | MWSEGRYEYE RIPRERAPPR SHPSDGYNRL VNIVPKKPPL LDRPGECSYN<br>RYYSHVDYRD YDEGRSFSHD RRS GPPHRGD ESGYRWTRDD<br>HSASRQPEYR DMRDGFRRKS FYSSHYARER SPYKRDNTFF<br>RESPVGRKDS PHSRSGSSVS SRSYSPERSK SYSFHQSQHR KSVRPGASYK<br>RQNEGNPERD KERPVSLSKT SRDTPSSGS AVSSSKVLDK PSRLTEKELA<br>EAASKWAAEK LEKSDESNLP EISEYEAGST APLFTDQPEE PESNTTHGIE<br>LFEDSQLTTR SKAIASKTKE IEQVYRQDCE TFGMVVKMLI EKDPSLEKSI<br>QFALRQNLHE IESAGQWQQ VPPVRNTEMD HDGTPENEGE<br>ETAQSAPQPP QAPQPLQPRK KRVRRTTQLR RTTGAPDITW GMLKKTQEA<br>ERILLRTQTP FTPENLFLAM LSVVHCNSRK DVKPENKQ                                                               |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Target Names</b>      | PPHLN1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Names</b>     | Recommended name: Periphilin-1 Alternative name(s): Gastric cancer antigen Ga50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Expression Region</b> | 1-458                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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 protein is one of the several proteins that become sequentially incorporated into the cornified cell envelope during the terminal differentiation of keratinocyte at the outer layers of epidermis. This protein interacts with periplakin, which is known as a precursor of the cornified cell envelope. The cellular localization pattern and insolubility of this protein suggest that it may play a role in epithelial differentiation and contribute to epidermal integrity and barrier formation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. |
| <b>Reconstitution</b>    | 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.