



Recombinant Human Periphilin-1 (PPHLN1)

Product Code	CSB-YP843343HU
Abbreviation	PPHLN1
Storage	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.
Uniprot No.	Q8NEY8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MWSEGRYEYE RIPRERAPPR SHPSDGYNRL VNIVPKKPPL LDRPGECSYN RYYSHVDYRD YDEGRSFSHD RRS GPPHRGD ESGYRWTRDD HSASRQPEYR DMRDGFRRKS FYSSHYARER SPYKRDNTFF RESPVGRKDS PHSRSGSSVS SRSYSPERSK SYSFHQSQHR KSVRPGASYK RQNEGNPERD KERPVSQSLKT SRDTPSSGS AVSSSKVLDK PSRLTEKELA EAASKWAAEK LEKSDESNLP EISEYEAGST APLFTDQPEE PESNTTHGIE LFEDSQLTTR SKAIASKTKE IEQVYRQDCE TFGMVVKMLI EKDPSLEKSI QFALRQNLHE IESAGQWQQ VPPVRNTEMD HDGTPENEGE ETAQSAPQPP QAPQLQPRK KRVRRTTQLR RTTGAPDITW GMLKKTQEA ERILLRTQTP FTPENLFLAM LSVVHCNSRK DVKPENKQ
Source	Yeast
Target Names	PPHLN1
Protein Names	Recommended name: Periphilin-1 Alternative name(s): Gastric cancer antigen Ga50
Expression Region	1-458
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 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.
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.