



Recombinant Rat Parathyroid hormone (Pth)

Product Code	CSB-EP018987RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P04089
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	AVSEIQLMH NLGKHLASVE RMQWLRKKLQ DVHNFVSLGV QMAAREGSYQ RPTKKEENVL VDGNSKSLGE GDKADV DVLV KAKSQ
Source	E.coli
Target Names	Pth
Protein Names	Recommended name: Parathyroid hormone Short name= PTH Alternative name(s): Parathyrin
Expression Region	32-115
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 of Mature Protein
Target Details	This protein is a hormone secreted by parathyroid cells. This hormone elevates blood Ca ²⁺ level by dissolving the salts in bone and preventing their renal excretion. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH).
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.