



Recombinant Bovine Inorganic pyrophosphatase (PPA1)

Product Code	CSB-EP018410BO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P37980
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	SGFSSEERA APFTLEYRVF LKNEKGQYIS PFHDIPIYAD KEVFHMOVVEV PRWSNAKMEI ATKDPLNPIK QDVKKGKRLRY VANLFPYKGY IWNYGAIPT WEDPGHNDKH TGCCGDNDPI DVCEIGSKVC ARGEIIRVKV LGILAMIDEG ETDWKVIAIN VEDPDAANYN DINDVKRLKP GYLEATVDWF RRYKVPDGKP ENEFAFNAEF KDKNFAIDII ESTHDYWRAL VTKKTDGKGI SCMNNTVSES PFQCDPDAAK AIVDALPPPC ESACTIPTDV DKWFHHQKN
Source	E.coli
Target Names	PPA1
Protein Names	Recommended name: Inorganic pyrophosphatase EC= 3.6.1.1 Alternative name(s): Pyrophosphate phospho-hydrolase Short name= PPase
Expression Region	2-289
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 member of the inorganic pyrophosphatase (PPase) family. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Studies of a similar protein in bovine suggested a cytoplasmic localization of this enzyme.
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.