Recombinant Human Inorganic pyrophosphatase 2, mitochondrial (PPA2)

Product Code	CSB-BP867137HU
Abbreviation	PPA2
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.	Q9H2U2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ALYHTEER GQPCSQNYRL FFKNVTGHYI SPFHDIPLKV NSKEENGIPM KKARNDEYEN LFNMIVEIPR WTNAKMEIAT KEPMNPIKQY VKDGKLRYVA NIFPYKGYIW NYGTLPQTWE DPHEKDKSTN CFGDNDPIDV CEIGSKILSC GEVIHVKILG ILALIDEGET DWKLIAINAN DPEASKFHDI DDVKKFKPGY LEATLNWFRL YKVPDGKPEN QFAFNGEFKN KAFALEVIKS THQCWKALLM KKCNGGAINC TNVQISDSPF RCTQEEARSL VESVSSSPNK ESNEEEQVWH FLGK
Source	Baculovirus
Target Names	PPA2
Protein Names	Recommended name: Inorganic pyrophosphatase 2, mitochondrial EC= 3.6.1.1 Alternative name(s): Pyrophosphatase SID6-306 Pyrophosphate phospho-hydrolase 2 Short name= PPase 2
Expression Region	33-334
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 localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
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.