



# Recombinant Human Inorganic pyrophosphatase 2, mitochondrial (PPA2)

<b>Product Code</b>	CSB-YP867137HU
<b>Abbreviation</b>	PPA2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9H2U2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ALYHTEER GQPCSQNYRL FFKNVTGHIY SPFHDIPLKV NSKEENGIPM KKARNDEYEN LFNMIVEIPR WTNAKMEIAT KEPMNPIKQY VKDGKLRYYVA NIFPYKGYIW NYGTLPQTWE DPHEKDKSTN CFGDNDPIDV CEIGSKILSC GEVIHVKILG ILALIDEGET DWKLIANAN DPEASKFHDI DDVKKFKPGY LEATLNWFRL YKVPDGKPEN QFAFNGEFKN KAFALEVIKS THQCWKALLM KKCNGGAINC TNVQISDSPF RCTQEEARSL VESVSSSPNK ESNEEEQVWH FLGK
<b>Source</b>	Yeast
<b>Target Names</b>	PPA2
<b>Protein Names</b>	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
<b>Expression Region</b>	33-334
<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 of Mature Protein
<b>Target Details</b>	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.
<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.