



# Recombinant Human Inorganic pyrophosphatase (PPA1)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-MP614884HU  |
| <b>Abbreviation</b>      | PPA1  |
| <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>       | Q15181  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SGFSTEERA APFSLEYRVF LKNEKGQYIS PFHDIPIYAD KDVFHMVVEV PRWSNAKMEI ATKDPLNPIK QDVKKGKRLRY VANLFPYKGY IWNYGAIPT WEDPGHNDKH TGCCGDNDPI DVCEIGSKVC ARGEIIGVKV LGILAMIDEG ETDWKVIAIN VDDPDAANYN DINDVKRLKP GYLEATVDWF RRYKVPDGKP ENFAFNAEF KDKDFAIDII KSTHDHWKAL VTKKTNGKGI SCMNTTLES PFKCDPDAAR AIVDALPPPC ESACTVPTDV DKWFFHHQKN   |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | PPA1  |
| <b>Protein Names</b>     | Recommended name: Inorganic pyrophosphatase EC= 3.6.1.1 Alternative name(s): Pyrophosphate phospho-hydrolase Short name= PPase  |
| <b>Expression Region</b> | 2-289   |
| <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 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.   |
| <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. |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  |



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