

Recombinant Human PPA1 Protein Product Manual

1. Product Basic Information

Product No.: REP07853

Protein Name: Cytosolic Inorganic Pyrophosphatase (PPA1)

Aliases: PP; PP1; IOPPP; PPase; HEL-S-66p; SID6-8061; cytosolic inorganic pyrophosphatase; epididymis secretory sperm binding protein Li 66p

UniProt ID: Q15181

UniProt Link: <https://www.uniprot.org/uniprotkb/Q15181/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-289aa)

Molecular Weight: 59.3 kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-289aa)

MSGFSTEERAAPFSLEYRVFLKNEKGQYISPFHDIPIYADKDFHMMVVEVPRWSNA
KMEIATKDPLNPIKQDVKKGKRLRYVANLFPYKGYIWNYGAIPQTWEDPGHNDKHTG
CCGDNDPIDVCEIGSKVCARGEIIGVKVLGILAMIDEGETDWKVIAINVDDPDAANYN
DINDVKRLKPGYLEATVDWFRRYKVPDGGKPENEFAFNAEFKDKDFAIIDIKSTHDHW
KALVTKKTNGKGISCMNTTLESFPKCDPDAARAIVDALPPPCEACTVPTDVKW
FHHQKN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PPA1 full length protein (1-289aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. PPA1, also known as PP or PP1 or IOPPP, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.