

Recombinant Dog PPP1CA Protein Product Manual

1. Product Basic Information

Product No.: REP07865

Protein Name: Testicular Tissue Protein Li 155 (PPP1CA)

Aliases: PP1A; PP-1A; PPP1A; PP1alpha; testicular tissue protein Li 155; protein phosphatase 1 catalytic subunit alpha

UniProt ID: P62136

UniProt Link: <https://www.uniprot.org/uniprotkb/P62136/entry>

Species Source: Canis lupus familiaris (Dog) (Canis familiaris)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-330aa(X155S,X158S))

Molecular Weight: 42.3 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (2-330aa(X155S,X158S))

SDSEKLNLD SIIGRLLE VQGS R PGKNVQLTENEIRGLCLKSREIFLSQPILLELEAPLKI
CGDIHGQYYDLLRLF EYGGFPPE SNYFLG DYVDRGKQSLETICLLLAYKIKYPENFF
LLRGNHECASINRIYGFYDECKRRYNIKLWKTFTDSFNSLPAAIVDEKIFCCHGGLS
PDLQSMEQIR RIMRPTDVPDQGLLCDLLWSDPKDKVQGWGENDRGVSFTFGAEV
VAKFLHKHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGAMMSVDE
TLMCSFQILKPADKNKGKYGQFSGLNPGGRPITPPRNSAKAKK

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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

4. Storage Conditions

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



5. Product Description

This product is a recombinant Dog PPP1CA full length of mature protein protein (2-330aa(X155S,X158S)) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PPP1CA, also known as PP1A or PP-1A or PPP1A, 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.