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# Product datasheet for TP720141

## Protein phosphatase inhibitor 1 (PPP1R1A) (NM_006741) Human Recombinant Protein

## Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human protein phosphatase 1, regulatory (inhibitor) subunit 1A (PPP1R1A) |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | Met1-Val171 |
| **Tag:** | C-His |
| **Predicted MW:** | 20 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >95% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM DTT, 50% Glycerol, pH 8.5. |
| **Endotoxin:** | < 0.1 EU per µg protein as determined by LAL test |
| **Storage:** | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| **Stability:** | Stable for at least 3 months from date of receipt under proper storage and handling conditions. |
| **RefSeq:** | NP_006732 |
| **Locus ID:** | 5502 |
| **UniProt ID:** | Q13522 |
| **Cytogenetics:** | 12q13.2 |
| **Synonyms:** | I1; IPP1 |
| **Summary:** | Inhibitor of protein-phosphatase 1. This protein may be important in hormonal control of glycogen metabolism. Hormones that elevate intracellular cAMP increase I-1 activity in many tissues. I-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. Following a rise in intracellular calcium, I-1 is inactivated by calcineurin (or PP2B). Does not inhibit type-2 phosphatases.[UniProtKB/Swiss-Prot Function] |

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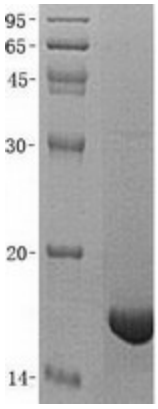
**Protein Families:** Druggable Genome

**Protein Pathways:** Long-term potentiation

## Product images:

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