

Product datasheet for **TP720141XL**

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

Product data:

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| 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: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | < 0.1 EU per µg protein as determined by LAL test |
| Storage: | Store at -80°C. |
| 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] |
| Protein Families: | Druggable Genome |



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Protein Pathways: Long-term potentiation

Product images:

