

Recombinant Human PPP1R1B Protein, His-tagged

Cat. No. PPP1R1B-2617H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human PPP1R1B Protein (Met1-Leu169) with a N-His tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Met1-Leu169 |
| Description | This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 23 kDa Accurate Molecular Mass: 20&31 kDa |
| Endotoxin | <1.0 EU per 1g (determined by the LAL method). |
| Purity | > 90% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

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| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in PBS or others. |

GENE INFORMATION

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| Gene Name | PPP1R1B protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32) [Homo sapiens (human)] |
| Official Symbol | PPP1R1B |
| Synonyms | PPP1R1B; protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32); DARPP 32; dopamine and cAMP regulated phosphoprotein; FLJ20940; DARPP-32; |
| Gene ID | 84152 |
| mRNA Refseq | NM_181505 |
| Protein Refseq | NP_852606 |
| MIM | 604399 |

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UniProt ID

Q9UD71

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