

Recombinant Human PPP3R1 protein(Gly2-Val170), His-tagged

Cat. No. PPP3R1-7366H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP3R1 (P63098) (Gly2-Val170) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	2-170 a.a.
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol, 2mM DTT. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Using the Octet RED System, the affinity constant (Kd) of human PPP3R1-His bound to Human PPIA-His was 6 nM.
Molecular Mass	The recombinant human PPP3R1 consists of 187 amino acids and has a calculated molecular mass of 21.4 kDa. The recombinant protein migrates as an approximately 20 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 87 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [PPP3R1 protein phosphatase 3, regulatory subunit B, alpha \[Homo sapiens \]](#)

Official Symbol [PPP3R1](#)

Synonyms

PPP3R1; protein phosphatase 3, regulatory subunit B, alpha; protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), alpha isoform (calcineurin B, type I) , protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I) , protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform; calcineurin subunit B type 1; calcineurin B; type I (19kDa); CALNB1; CNB; CNB1; protein phosphatase 2B regulatory subunit B alpha; calcineurin B, type I (19kDa); protein phosphatase 2B regulatory subunit 1; protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform; protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), alpha isoform (calcineurin B, type I); protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I);

Gene ID [5534](#)

mRNA Refseq [NM_000945](#)

Protein Refseq [NP_000936](#)

MIM [601302](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID

P63098

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA