

Active Recombinant Human PPP3R1 protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human PPP3R1 protein(P63098) (Gly2-Val170) was expressed in Insect Cells, fused with a polyhistide tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	2-170 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol, 2mM DTT.
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	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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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](#)

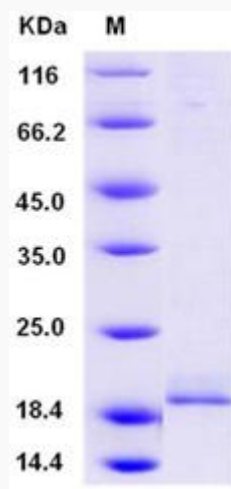
UniProt ID [P63098](#)

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SDS-PAGE



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