

Recombinant Human PPP2R3A Protein, His-tagged

Cat. No. PPP2R3A-2621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP2R3A Protein (Asp827-Glu1150) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp827-Glu1150
Description	This gene encodes one of the regulatory subunits of the protein phosphatase 2. Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holoenzyme. The product of this gene belongs to the B'' family. The B'' family has been further divided into subfamilies. The product of this gene belongs to the alpha subfamily of regulatory subunit B''. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.7 kDa

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	Accurate Molecular Mass: 46 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

Gene Name	PPP2R3A protein phosphatase 2, regulatory subunit B, alpha [Homo sapiens (human)]
Official Symbol	PPP2R3A
Synonyms	PPP2R3A; protein phosphatase 2, regulatory subunit B, alpha; PPP2R3, protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 72), alpha isoform and (PR 130), beta isoform, protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha; serine/threonine-protein phosphatase 2A regulatory subunit B subunit alpha; PP2A,

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subunit B, R3 isoform; PP2A subunit B isoforms B72/B130; serine/threonine-protein phosphatase 2A 72/130 kDa regulatory subunit B; protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 72), alpha isoform and (PR 130), beta isoform; PR72; PR130; PPP2R3;

Gene ID	5523
mRNA Refseq	NM_001190447
Protein Refseq	NP_001177376
MIM	604944
UniProt ID	Q06190

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