

Recombinant Human PPP2R4, His-tagged

Cat. No. PPP2R4-27572TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 104-323 of Human PPP2R4 Isoform 1 with an N-terminal His tag; Predicted MWt 26 kDa.
Species	Human
Source	E.coli
ProteinLength	104-323 a.a.
Description	Protein phosphatase 2A is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2A 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. This gene encodes a specific phosphotyrosyl phosphatase activator of the dimeric form of protein phosphatase 2A. Alternative splicing results in multiple transcript variants encoding different isoforms.
Conjugation	HIS
Tissue specificity	Widely expressed.
Form	Lyophilised:Reconstitute with 125 µl aqua dest.

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Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AYRTWYAKLDEEAENLVATVVPHTLAAAVPEVAVYLKESV GNSTRIDYGTGHEAAF AAFLCCLCKIGVLRVDDQIAIV FKVFNRYLEVMRKLQKTYRMEPAGSQGVWGLDDF QFLP FIWGSSQLIDHPYLEPRHFVDEKAVNENHKDYMFLICI LFITEMKTGPFAEHS NQLWNISAVPSWSKVNQGLIRMYKA ECLEKFPVIQHFKFGSLLPIHPVTSG
Sequence Similarities	Belongs to the PTPA-type PPlase family.

GENE INFORMATION

Gene Name	PPP2R4 protein phosphatase 2A activator, regulatory subunit 4 [Homo sapiens]
Official Symbol	PPP2R4
Synonyms	PPP2R4; protein phosphatase 2A activator, regulatory subunit 4; protein phosphatase 2A, regulatory subunit B (PR 53); serine/threonine-protein phosphatase 2A activator; phosphotyrosyl phosphatase activator; PP2A phosphatase activator; PR53; PTPA;
Gene ID	5524
mRNA Refseq	NM_001193397
Protein Refseq	NP_001180326
MIM	600756

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Uniprot ID	Q15257
Chromosome Location	9q34
Pathway	Glycogen Metabolism, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem; Validated targets of C-MYC transcriptional repression, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem; p53 pathway, organism-specific biosystem;
Function	ATP binding; contributes_to ATPase activity; isomerase activity; nucleotide binding; peptidyl-prolyl cis-trans isomerase activity;

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