

Recombinant Human PPP2R4

Cat. No. PPP2R4-589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP2R4 is expressed in <i>E. coli</i> . The molecular weight of the recombinant Human PPP2R4 is 65 kDa.
Species	Human
Source	E.coli
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. PPP2R4 serves as a scaffolding molecule to coordinate the assembly of the catalytic (PP2AC, GLO132-001) and variable B subunits, generating functionally diverse heterotrimers of the phosphatase. The A subunit contains 15 tandemly-repeated HEAT sequences which may participate in its function as a scaffolding molecule. The A subunit also serves to regulate the substrate selectivity and allosterically modulates the enzymatic properties of PP2Ac, namely via its polycation response.
Purity	>90% by SDS-PAGE apparent Mr ~ 65-kDa.
Supplied	1 mg in 50 ml 50 mM Tris-HCl pH 7.0 buffer containing 14 mM b-mercaptoethanol, 1 mM benzamidine, 0.1 mM phenylmethanesulfonyl fluoride, 1 mM EDTA and 50% glycerol.
Storage	Maintain preparations in aliquots at -70°C. Avoid repeated thawing.

GENE INFORMATION

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Gene Name	PPP2R4 protein phosphatase 2A activator, regulatory subunit 4 [Homo sapiens]
Synonyms	protein phosphatase 2A activator, regulatory subunit 4; PPP2R4; PP2A; PR53; PTPA; MGC2184; PPP2R4; serine/threonine-protein phosphatase 2A regulatory subunit B"; PP2A, subunit B"; PP2A phosphatase activator; phosphotyrosyl phosphatase activator;protein phosphatase 2A, regulatory subunit B" (PR 53); PP2A subunit B" isoform PR53
Gene ID	5524
mRNA Refseq	NM_021131
Protein Refseq	NP_066954
MIM	600756
UniProt ID	Q15257
Chromosome Location	9q34
Function	ATP binding; ATPase activity; protein heterodimerization activity;protein homodimerization activity;protein phosphatase 2A binding IDA; protein phosphatase type 2A regulator activity; protein phosphatase type 2A regulator activity; receptor binding; protein tyrosine phosphatase activator activity

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