

Recombinant Human PTPA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTPA-5741H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP2R4 MS Standard C13 and N15-labeled recombinant protein (NP_821067) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	36.8 kDa
AA Sequence	MAEGERQPPPDSSSEEAPPATQNFIIPKKEIHTVPDMGKWKRSQAYADYIGFILTLNE GVKGGKLTFEYRVSEAIEKLVALNTLDRWIDETPPVDQPSRFGNKAYRTWYAKLDE EAENLVATVVPHTLAAAVPEVAVYVKESVGNSTRIDYGTGHEAAFAAFLCCLCKIGVL

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RVDDQIAIVFKVFNRYLEV MRKLQKTYRMEPAGSQGVWGLDDFQFLPFIWGSSQLID
 HPYLEPRHFVDEKAVNENHKDYMFLFECILFITEMKTGPFAEHSNQLWNISAVPSWSK
 VNQGLIRMYKAECLEKFPVIQHFKFGSLLPIHPVTSGTRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PTPA protein phosphatase 2 phosphatase activator [Homo sapiens (human)]

Official Symbol PTPA

Synonyms PTPA; protein phosphatase 2 phosphatase activator; PP2A; PR53; PPP2R4; serine/threonine-protein phosphatase 2A activator; PP2A phosphatase activator; phosphotyrosyl phosphatase activator; protein phosphatase 2 regulatory subunit 4; protein phosphatase 2A activator, regulatory subunit 4; protein phosphatase 2A regulatory subunit 4; protein phosphatase 2A, regulatory subunit B' (PR 53); serine/threonine-protein phosphatase 2A regulatory subunit B'; EC 5.2.1.8

Gene ID 5524

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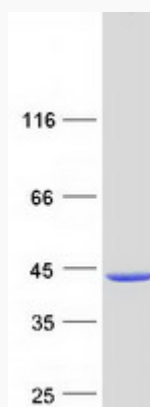
mRNA Refseq NM_178000

Protein Refseq NP_821067

MIM 600756

UniProt ID Q15257

SDS-PAGE



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