

Serine/threonine-protein phosphatase 2A activator (PPP2R4) Recombinant Protein | PPP2R4 recombinant protein

Recombinant Human Serine/threonine-protein phosphatase 2A activator (PPP2R4)

CATALOG # AAA116884	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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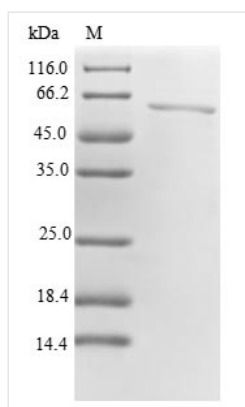
PRODUCT SYNONYMS

Serine/threonine-protein phosphatase 2A activator (PPP2R4); Recombinant Human Serine/threonine-protein phosphatase 2A activator (PPP2R4); Serine/threonine-protein phosphatase 2A activator; EC=5.2.1.8; PP2A; subunit B'; PR53 isoform; Phosphotyrosyl phosphatase activator; PTPA; Serine/threonine-protein phosphatase 2A regulatory subunit 4; Serine/threonine-protein phosphatase 2A regulatory sub; PPP2R4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-358. Full Length of Mature Protein
Sequence	AEGERQPPPD SSEEAPPATQ NFIIPKKEIH TVPDMGKWKR SQAYADYIGF ILTLNEGVKG KKLTFEYRVS EMWNEVHEEK EQAAKQSVSC DECIPLPRAG HCAPSEAIEK LVALLNTLDR WIDETPPVDQ PSRFGNKAYR TWYAKLDEEA ENLVATVVPT HLAAAVPEVA VYLKESVGNS TRIDYGTGHE AAFAAFLCCL CKIGVLRVDD QIAIVFKVFN RYLEVMRKLQ KTYRMEPAGS QGVWGLDDFQ FLPFIWGSSQ LIDHPYLEPR HFVDEKAVNE NHKDYMFLEC ILFITEMKTG PFAEHSNQLW NISAVPSWSK VNQGLIRMYK AECLEKFPVI QHFKFGSLLP IHPVTSG
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PPP2R4 recombinant protein	PPLases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Acts as a regulatory subunit for serine/threonine-protein phosphatase 2A (PP2A) modulating its activity or substrate specificity, probably by inducing a conformational change in the catalytic subunit, a proposed direct target of the PPLase. Can reactivate inactive phosphatase PP2A-phosphatase methylesterase complexes (PP2A(i)) in presence of ATP and Mg2+. Reversibly stimulates the variable phosphotyrosyl phosphatase activity of PP2A core heterodimer PP2A(D) in presence of ATP and Mg2+ (in vitro). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex. Is involved in apoptosis; the function appears to be independent from PP2A.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	301129290
NCBI GeneID	5524
NCBI Accession #	NP_001180326.1
NCBI GenBank Nucleotide #	NM_001193397.1
UniProt Accession #	Q15257; Q15258; Q53GZ3; Q5TZQ2; Q9BUK1; Q9NNZ7; Q9NNZ8; Q9NNZ9; A2A347; A9IZU4; B4DXM4
Molecular Weight	60.5 kDa
NCBI Official Full Name	serine/threonine-protein phosphatase 2A activator isoform e
NCBI Official Synonym Full Names	protein phosphatase 2A activator, regulatory subunit 4
NCBI Official Symbol	PPP2R4
NCBI Official Synonym Symbols	PP2A; PR53; PTPA
NCBI Protein Information	serine/threonine-protein phosphatase 2A activator; PP2A phosphatase activator; PP2A subunit B' isoform PR53; phosphotyrosyl phosphatase activator; protein phosphatase 2A, regulatory subunit B' (PR 53); serine/threonine-protein phosphatase 2A regulatory subunit B'
UniProt Protein Name	Serine/threonine-protein phosphatase 2A activator
UniProt Gene Name	PPP2R4
UniProt Synonym Gene Names	PTPA; PTPA
UniProt Entry Name	PTPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ppp2r4-recombinant-protein-e-coli/116884>