

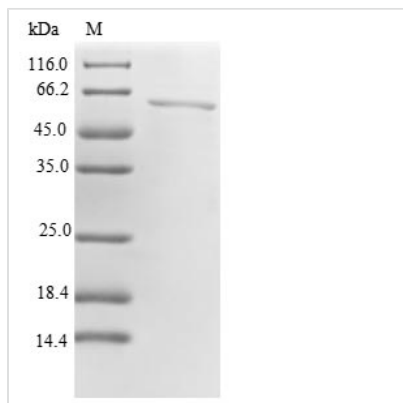


# Recombinant Human Serine/threonine-protein phosphatase 2A activator (PTPA)

<b>Product Code</b>	CSB-EP620876HU
<b>Relevance</b>	PPIases 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 PPIase. Can reactivate inactive phosphatase PP2A-phosphatase methylesterase complexes (PP2A(i)) in presence of ATP and Mg <sup>2+</sup> . Reversibly stimulates the variable phosphotyrosyl phosphatase activity of PP2A core heterodimer PP2A(D) in presence of ATP and Mg <sup>2+</sup> (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.
<b>Abbreviation</b>	Recombinant Human PTPA protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15257
<b>Alias</b>	PP2A, subunit B', PR53 isoform Phosphotyrosyl phosphatase activator
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	AEGERQPPPSSEEAPPATQNFIIIPKKEIHTVPDMGKWKRSQAYADYIGFILTL NEGVKGGKLTFEYRVSEMWNEVHEEKEQAAKQSVSCDECIPRAGHCAPSE AIEKLVALLNTLDRWIDETPPVDQPSRFGNKAYRTWYAKLDEEAENLVATVVPT HLAAAVPEVAVYVKESVGNSTRIDYGTGHEAAFAAFLCCLCKIGVLRVDDQIAIV FKVFNRYLEV MRKLQKTYRMEPAGSQGVWGLDDFQFLPFIWGSSQLIDHPYL EPRHFVDEKAVNENHKDYMFLCILFITEMKTGPFAEHSNQLWNISAVPSWSK VNQGLIRMYKAECLEKFPVIQHFKFGSLLPIHPVTSG
<b>Research Area</b>	others
<b>Source</b>	E.coli
<b>Target Names</b>	PTPA
<b>Protein Names</b>	Recommended name: Serine/threonine-protein phosphatase 2A activator EC= 5.2.1.8 Alternative name(s): PP2A, subunit B', PR53 isoform Phosphotyrosyl phosphatase activator Short name= PTPA Serine/threonine-protein phosphatase 2A



<b>Expression Region</b>	2-358aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	60.5kDa
<b>Protein Length</b>	Full Length of Mature Protein

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.