

Recombinant Human Protein Phosphatase 5, Catalytic Subunit

Cat. No. PPP5C-177H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PPP5C (Serine/Threonine-Protein Phosphatase) cloned from human cDNA with a N-terminal purification tag was expressed in <i>E. coli</i> . It consists of the mature PP5 (residues 16-499, Accession number: P53041). The N-terminal tag is cleaved during purification. MW = 56.8 KDa.
Species	Human
Source	E.coli
Description	Serine/threonine-protein phosphatase 5 is an enzyme that in humans is encoded by the PPP5C gene. PPP5C has been shown to interact with ASK1, CRY2 and GNA12.
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight between 45 and 66KDa.
Supplied As	1 mg/ml in 50mM Tris-HCl pH 7.5, 150mM NaCl, 1mM DTT (dithiothreitol). The concentration is calculated from the absorbance at 280nm ($e_{280} = 57355 \text{ M}^{-1} \text{ cm}^{-1}$).
Characteristics	Under the above described conditions, to avoid precipitation, the product can be concentrated to a maximum of 1mM.
Storage	-20°C. The protein is stable at 4°C for at least 2 weeks and at 25°C for at least several days. After initial defrost, aliquot product into individual tubes and refreeze at -20°C. Avoid repeated freeze/defrost cycles.

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GENE INFORMATION

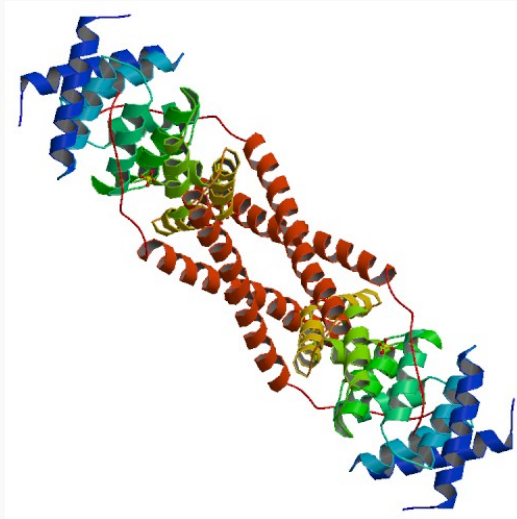
Gene Name	PPP5C protein phosphatase 5, catalytic subunit [Homo sapiens]
Synonyms	PPP5C; protein phosphatase 5, catalytic subunit; PP5; PPP5; FLJ36922; Serine/Threonine phosphatase; EC 3.1.3.16; Serine/threonine-protein phosphatase 5; Protein phosphatase T; PP-T; PPT; FLJ36922
Gene ID	5536
mRNA Refseq	NM_006247
Protein Refseq	NP_006238
MIM	600658
UniProt ID	P53041
Chromosome Location	19q13.3
Pathway	MAPK signaling pathway
Function	hydrolase activity; iron ion binding; manganese ion binding; metal ion binding; protein domain specific binding; protein serine/threonine phosphatase activity; signal transducer activity

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