

## Recombinant Human PPP5C, Catalytic Domain

Cat. No. PPP5C-178H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Catalytic Domain PP5 (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 catalytic domain of PP5 (residues 169-499, Accession number: <a href="#">P53041</a> ). The N-terminal tag is cleaved during purification, leaving GSFT residues. MW = 38.1 KDa.
<b>Species</b>	Human
<b>Source</b>	<i>E.coli</i>
<b>Description</b>	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.
<b>Purity</b>	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight of 38KDa.
<b>Supplied As</b>	1 mg/ml in 50mM Tris-HCl pH 7.5, 150mM NaCl, 1mM DTT (dithiothreitol). The concentration is calculated from the absorbance at 280nm ( $\epsilon_{280} = 37735 \text{ M}^{-1} \text{ cm}^{-1}$ ).
<b>Characteristics</b>	Under the above described conditions, to avoid precipitation, the product can be concentrated to a maximum of 1mM.
<b>Storage</b>	-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

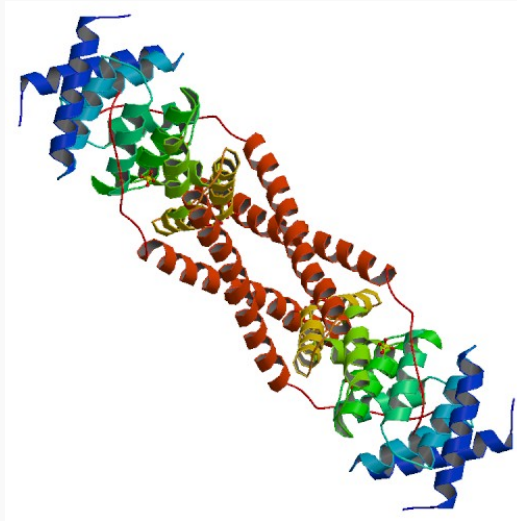
<b>Gene Name</b>	PPP5C protein phosphatase 5, catalytic subunit [ Homo sapiens ]
<b>Synonyms</b>	PPP5C; protein phosphatase 5, catalytic subunit; PP5; PPP5; FLJ36922; Serine/Threonine phosphatase; EC 3.1.3.16; Serine/threonine-protein phosphatase 5; Protein phosphatase T; PP-T; PPT; FLJ36922
<b>Gene ID</b>	5536
<b>mRNA Refseq</b>	NM_006247
<b>Protein Refseq</b>	NP_006238
<b>MIM</b>	600658
<b>UniProt ID</b>	P53041
<b>Chromosome Location</b>	19q13.3
<b>Pathway</b>	MAPK signaling pathway
<b>Function</b>	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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