

Recombinant Human PPP5C, His-tagged

Cat. No. PPP5C-27638TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-499 of Human PP5 with N terminal His tag, 58kDa.
Species	Human
Source	E.coli
ProteinLength	1-499 a.a.
Description	This gene encodes a serine/threonine phosphatase which is a member of the protein phosphatase catalytic subunit family. Proteins in this family participate in pathways regulated by reversible phosphorylation at serine and threonine residues; many of these pathways are involved in the regulation of cell growth and differentiation. The product of this gene has been shown to participate in signaling pathways in response to hormones or cellular stress, and elevated levels of this protein may be associated with breast cancer development. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Tissue specificity	Ubiquitous.
Form	Lyophilised:Reconstitute with 140 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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phosphate, 10mM Sodium chloride, pH 4.5

Storage

Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

MAMAEGERTECAEPPRDEPPADGALKRAEELKTQANDYFK AKDYENAIKFYSQAIE
 LNPSNAIYYGNRSLAYLRTECY GYALGDATRAIELDKKYIKGYRRAASNMALGKFR
 AAL RDYETVVVKVPHDKDAKMKYQECNKIVKQKAFERAIAG DEHKRSVVDSLDIES
 MTIEDEYSGPKLEDGKVTISFMK ELMQWYKDQKKLHRKCAQILVQVKEVLSKLSLTL
 VETTLK ETEKITVCGDTHGQFYDLLNIFELNGLPSETNPYIFNG DFVDRGSFSVEVIL
 TLFGFKLLYPDHFHLLRGNHETDN MNQIYGFEGEVKAKYTAQMYELFSEVFEWLPL
 AQCING KVLIMHGGLFSEDGVTLDIRKIERNRQPPDSGPMCDL LWSDPQPQNGR
 SISKRGVSCQFGPDVTKAFLEENLDYIIRSHEVKAEGYEVAHGGRCVTVFSAPNYC
 DQMGNKASYI HLQGSDLRPQFHQFTAVPHPNVKPMAYANTLLQLGMM

Sequence Similarities

Belongs to the PPP phosphatase family. PP-5 (PP-T) subfamily. Contains 3 TPR repeats.

Full Length

Full L.

GENE INFORMATION

Gene Name

[PPP5C protein phosphatase 5, catalytic subunit \[Homo sapiens \]](#)

Official Symbol

[PPP5C](#)

Synonyms

PPP5C; protein phosphatase 5, catalytic subunit; PPP5; serine/threonine-protein phosphatase 5; PP5;

Gene ID

[5536](#)

mRNA Refseq

[NM_001204284](#)

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Protein Refseq	NP_001191213
MIM	600658
Uniprot ID	P53041
Chromosome Location	19q13.3
Pathway	ErbB1 downstream signaling, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	hydrolase activity; identical protein binding; metal ion binding; protein binding; protein serine/threonine phosphatase activity;

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