Recombinant Human PPP5C protein, GST-tagged

Cat. No. PPP5C-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP5C(1 a.a. - 499 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	80.63 kDa
AA Sequence	MAMAEGERTECAEPPRDEPPADGALKRAEELKTQANDYFKAKDYENAIKFYSQAIEL NPSNAIYYGNRSLAYLRTECYGYALGDATRAIELDKKYIKGYYRRAASNMALGKFRA ALRDYETVVKVKPHDKDAKMKYQECNKIVKQKAFERAIAGDEHKRSVVDSLDIESMT

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	IEDEYSGPKLEDGKVTISFMKELMQWYKDQKKLHRKCAYQILVQVKEVLSKLSTLVE TTLKETEKITVCGDTHGQFYDLLNIFELNGLPSETNPYIFNGDFVDRGSFSVEVILTLF GFKLLYPDHFHLLRGNHETDNMNQIYGFEGEVKAKYTAQMYELFSEVFEWLPLAQCI NGKVLIMHGGLFSEDGVTLDDIRKIERNRQPPDSGPMCDLLWSDPQPQNGRSISKR GVSCQFGPDVTKAFLEENNLDYIIRSHEVKAEGYEVAHGGRCVTVFSAPNYCDQMG NKASYIHLQGSDLRPQFHQFTAVPHPNVKPMAYANTLLQLGMM
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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; PP-T; protein phosphatase T; PPT; FLJ36922; FLJ55954;
Gene ID	5536
mRNA Refseq	NM_001204284
Protein Refseq	NP_001191213
MIM	600658

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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; signal transducer activity;
	

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