

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 NPSNAIYYGNRSLAYLRTECYGYALGDATRAIELDKKYIKGYRRAASNMALGKFRA ALRDYETVVVKVPHDKDAKMKYQECNKIVKQKAFERAIAGDEHKRSVVDSLDIESMT |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IEDEYSGPKLEDGKVTISFMKELMQWYKDQKKLHRKCAYQILVQVKEVLSKLSTLVE
 TTLKETEKITVCGDTHGQFYDLLNIFELNGLPSETNPYIFNGDFVDRGSFSVEVILTLF
 GFKLLYPDHFHLLRGNHETDNMNQIYGFEGEVKAKYTAQMYELFSEVFEWLPLAQCI
 NGKVLIMHGGLFSEDGVTLDDIRKIERNRQPPDSGPMCDLLWSDPQPQNGRSISKR
 GVSCQFGPDVTKAFLEENNLDYIIRSHEVKAEGYEVAHGGRCVTVFSAPNYCDQMG
 NKASYIHLQGSDLRPQFHQFTA VPHPNVKPMAYANTLLQLGMM

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

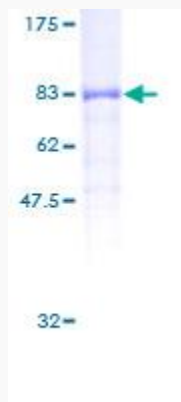
MIM

600658

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|--|
| 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; |
|  | |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA