

Recombinant Human PPP2R5A

Cat. No. PPP2R5A-31104TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PPP2R5A with N-terminal proprietary tag. Predicted MW 79.57kDa.
Species	Human
Source	Wheat Germ
ProteinLength	486 amino acids
Description	<p>The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an alpha isoform of the regulatory subunit B56 subfamily. Alternative transcript variants encoding distinct isoforms have been found for this gene.</p>
Molecular Weight	79.570kDa inclusive of tags
Tissue specificity	Widely expressed with the highest expression in heart and skeletal muscle.
Form	Liquid
Purity	Proprietary Purification

 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

Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	<p>MSSSSPPAGAASAAISASEKVDGFTRKSVRKAQRQKRSQG SSQFRSQGSQAELHP</p> <p>LPQLKDATSNEQQELFCQKLQCCCI LDFMDSVSDLKSKEIKRATLNELVEYVSTNR</p> <p>GVIVESAY SDIVKMISANIFRTLPPSDNPDPDPEEDEPTLEASWPHIQ LVYEFFLRFL</p> <p>ESPDFRPSIAKRYIDQKFVQQLLELFDSED PRERDFLKTVLHRIYGKFLGLRAFIRKQI</p> <p>NNIFLRFIYET EHFNGVAELLEILGSIINGFALPLKAEHKQFLMKVLIPMH TAKGLALF</p> <p>HAQLAYCVVQFLEKDTTLTEPVIRGLLKFWPK TCSQKEVMFLGEIEEILDVIEPTQFK</p> <p>KIEEPLFKQISKCV SSSHQVAERALYFWNNEYILSLIEENINKILPIMFASLY KISKEH</p> <p>WNPTIVALVYNVLKTLMEMNGKLFDDLTSSYKAE RQREKKKELEREELWKKLEELK</p> <p>LKKALEKQNSAYNMHSIL SNTSAE</p>
Sequence Similarities	Belongs to the phosphatase 2A regulatory subunit B56 family.
GENE INFORMATION	
Gene Name	PPP2R5A protein phosphatase 2, regulatory subunit B, alpha [Homo sapiens]
Official Symbol	PPP2R5A
Synonyms	PPP2R5A; protein phosphatase 2, regulatory subunit B, alpha; protein phosphatase 2, regulatory subunit B (B56), alpha isoform , protein phosphatase 2, regulatory subunit B, alpha isoform; serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit
Gene ID	5525

mRNA Refseq	NM_001199756
Protein Refseq	NP_001186685
MIM	601643
Uniprot ID	Q15172
Chromosome Location	1q32.2-q32.3
Pathway	Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;
Function	kinase binding; protein binding; protein phosphatase type 2A regulator activity;

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