

Recombinant Human PPP2R1A Protein, Full Length, N-GST tagged

Cat. No. PPP2R1A-49H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PPP2R1A was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full Length
Description	This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 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 constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes an alpha isoform of the constant regulatory subunit A. Alternatively spliced transcript variants have been described.
Molecular Mass	92 kDa
Purity	The purity of PPP2R1A was determined to be > 70% by densitometry, approx. MW 92 kDa.

 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

Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.5 µg/µL
Storage Buffer	50mM Tris-HCl pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Shipping	Dry ice
References	1. Tang Z, et al: PP2A is required for centromeric localization of Sgo1 and proper chromosome segregation. Dev Cell. 10(5):575-85, 2006.

GENE INFORMATION

Gene Name	PPP2R1A protein phosphatase 2 scaffold subunit Aalpha [Homo sapiens (human)]
Official Symbol	PPP2R1A
Synonyms	PPP2R1A; protein phosphatase 2 scaffold subunit Aalpha; HJS2; MRD36; PP2AA; PR65A; PP2AAALPHA; PP2A-Aalpha
Gene ID	5518
mRNA Refseq	NM_014225
Protein Refseq	NP_055040

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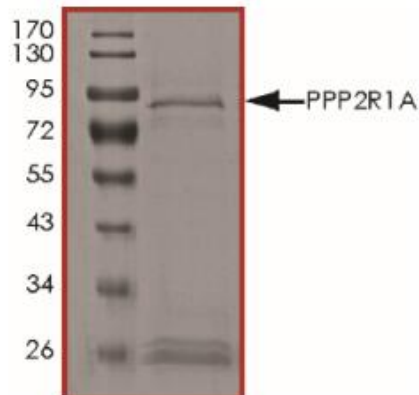
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MIM 605983

UniProt ID P30153

Purity



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