

Recombinant Human PPP1R3A

Cat. No. PPP1R3A-31051TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PPP1R3A with an N terminal proprietary tag; Predicted MWt 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	The glycogen-associated form of protein phosphatase-1 (PP1) derived from skeletal muscle is a heterodimer composed of a 37-kD catalytic subunit and a 124-kD targeting and regulatory subunit. This gene encodes the regulatory subunit which binds to muscle glycogen with high affinity, thereby enhancing dephosphorylation of glycogen-bound substrates for PP1 such as glycogen synthase and glycogen phosphorylase kinase.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Skeletal muscle and heart.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

 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	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	PSEVPSQISKDNFLEVPNLSDSLCEDEEVTFQPGFSPQPSRRGSDSSEDIYLDTPSS GTRRVSFADSFGFNLVSVKEFDCWELPSASTTFDLGTDIFHT
Sequence Similarities	Contains 1 CBM21 (carbohydrate binding type-21) domain.

GENE INFORMATION

Gene Name	PPP1R3A protein phosphatase 1, regulatory subunit 3A [Homo sapiens]
Official Symbol	PPP1R3A
Synonyms	PPP1R3A; protein phosphatase 1, regulatory subunit 3A; PPP1R3, protein phosphatase 1, regulatory (inhibitor) subunit 3A , protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle); pr
Gene ID	5506
mRNA Refseq	NM_002711
Protein Refseq	NP_002702
MIM	600917
Uniprot ID	Q16821
Chromosome Location	7q31.1

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Pathway

Insulin Signaling, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; Insulin-mediated glucose transport, organism-specific biosystem;

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