

Recombinant Human PPP1R15A Protein (40-674 aa), His-tagged

Cat. No. PPP1R15A-1943H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP1R15A Protein (40-674 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	40-674 aa
Description	Recruits the serine/threonine-protein phosphatase PP1 to dephosphorylate the translation initiation factor eIF-2A/EIF2S1, thereby reversing the shut-off of protein synthesis initiated by stress-inducible kinases and facilitating recovery of cells from stress. Down-regulates the TGF-beta signaling pathway by promoting dephosphorylation of TGFB1 by PP1. May promote apoptosis by inducing TP53 phosphorylation on 'Ser-15'.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	71.1 kDa
AA Sequence	GPLEPWLV EAVKGAALVEAGLEGEARTPLAIPHTPWGRRPEEEAEDSGGPGEDRE TLGLKTSSSLPEAWGLLDDDDGMYGEREATSVPRGQGSQFADGQRAPLSPSLLIRT LQGS DKNPGEEKAE EEEGV AEEEGV NKF SYPPSHRECCPAVEEEDDEEAVKKEAHR

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TSTSALSPGSKPSTWVSCPGEENQATEDKRTERSKGARKTSVSPRSSGSDPRSW
 EYRSGEASEEKEEKAHKETGKGAAAGPQSSAPAQRQPQLKSWWCQPSDEEEGEV
 KALGAAEKDGEAECPPCIPPPSAFLKAWVYWPGEDTEEEDEEEDESDSGSDEE
 EGAEAEASSSTPATGVFLKSWVYQPGEDTEEEDESDTGSAEDEREAETSASTPPA
 SAFLKAWVYRPGEDTEEEDEEDVSEDKEDDSEAALGEAESDPHPSHPDQRAHFR
 GWGYRPGKETEEEEAAEDWGEAEPFPRVAIYVPGEKPPPPWAPPRLPLRLQRRLL
 KRPETPTHDPDPETPLKARKVRFSEKVTVHFLAVWAGPAQAARQGPWEQLARDRS
 RFARRITQAQEELSPCLTPAARARAWARLRNPPLAPALTQTLPSSSVSPSPVQTT
 PLSQAVATPSRSSAAAAAALDLSGRRG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name PPP1R15A protein phosphatase 1, regulatory subunit 15A [Homo sapiens]

Official Symbol PPP1R15A

Synonyms PPP1R15A; GADD34; growth arrest and DNA damage inducible 34;

Gene ID 23645

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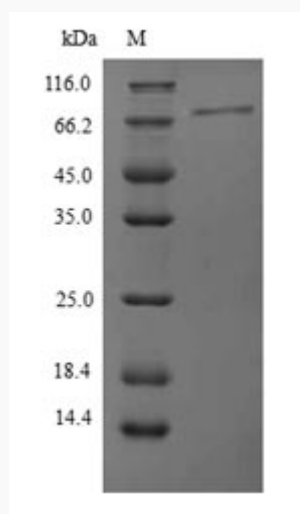
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mRNA Refseq [NM_014330](#)

Protein Refseq [NP_055145](#)

MIM [611048](#)

UniProt ID [O75807](#)



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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