

Recombinant human PP2A alpha/PPP2R1A protein

Catalog Number: ATGP3160

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-589aa

UniProt No.

P30153

NCBI Accession No.

NP_055040

Alternative Names

Protein phosphatase 2 scaffold subunit Aalpha, Protein phosphatase 2A, Regulatory subunit A, alpha isoform, Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform, Medium tumor antigen-associated 61 kDa protein, PP2A subunit A isoform PR65-alpha, PP2A subunit A isoform R1-alpha, PR65A, PP2A-Aalpha, PP2AA

PRODUCT SPECIFICATION

Molecular Weight

67.7 kDa (612aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PPP2R1A also known as Serine/Threonine-Protein Phosphatase 2A 65 kDa regulatory subunit A alpha isoform, is a member of the PPP family of phosphatases, regulates a variety of essential cellular processes. PPP2R1A phosphorylation is an in vivo mechanism for regulation of the PP2A signaling complex and increased PP2A

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activity in heart failure. Recombinant human PPP2R1A, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAAADGD DSLYPIAVLI DELRNEDVQL RLNSIKKLST IALALGVERT RSELLPFLTD
TIYDEDEVLL ALAEQLGTFT TLVGGPEYVH CLLPPLESLA TVEETVVRDK AVESLRAISH EHSPSDLEAH FVPLVKRLAG
GDWFTSRTSA CGLFSVCYPR VSSAVKAELR QYFRNLCSDD TPMVRRRAAS KLGEFAKVL LDNVKSEIP MFSNLASDEQ
DSVRLlavea CVNIAQLLPQ EDLEALVMPT LRQAAEDKSW RVRVMVADKF TELQKAVGPE ITKTDLVPAF QNLMKDCEAE
VRAAASHKVK EFCENLSADC RENVMSQIL PCIKELVSDA NQHVKSALAS VIMGLSPILG KDNTIEHLLP LFLAQLKDEC
PEVRLNIISN LDCVNEVIGI RQLSQSLLPA IVELAEDAKW RVRLAII EYM PLLAGQLGVE FFDEKLNSLC MAWLVDHVYA
IREAATSNLK KLVEKFGKEW AHATIIPKVL AMSGDPNYLH RMTTLFCINV LSEVCGQDIT TKHMLPTVLR MAGDPVANVR
FNVAKSQKI GPILDNSTLQ SEVKPILEKL TQDQDQDVKY FAQEALTVLS LA

General References

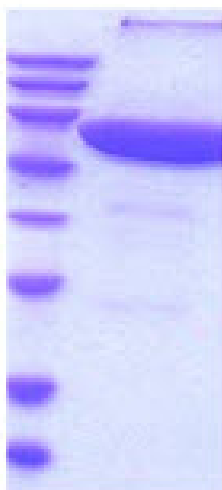
Yang R., et al. (2013) PLoS One. 8(10):e77285.
Li H H., et al. (2007) EMBO J. 26(2): 902-914.

DATA

SDS-PAGE

(kDa)

150
100
70
50
35
25
20
15



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)