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32-6895: PPP2R1A Human

Alternative Name :	PPP2R1A, Protein Phosphatase 2, Regulatory Subunit A, Alpha, Protein Phosphatase 2 (Formerly 2A), Regulatory Subunit A (PR 65), Alpha Isoform, PP2A Subunit A Isoform PR65-Alpha, PP2A Subunit A Isoform R1-Alpha, Serine/Threonine Protein Phosphatase 2A, 65 KDa Regulatory Subunit A, Alpha Isoform, Serine/Threonine-Protein Phosphatase 2A, 65 KDa Regulatory Subunit A Alpha Isoform, Protein Phosphatase 2 (Formerly 2A), Regulatory Subunit A, Alpha Isoform, Medium Tumor Antigen-Associated 61 KDA Protein, Medium Tumor Antigen-Associated 61 KDa Protein, 65kDa Regulatory Subunit A, Protein Phosphatase 2A, Protein Phosphatase 2, Regulatory Subunit A, Alpha Isoform, PP2A-Aalpha, PP2AAALPHA, PR65A.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
Protein Phosphatase 2, Regulatory Subunit A Alpha, also known as PPP2R1A is part of the PPP family of phosphatases, which regulates a diversity of vital cellular processes. PPP2R1A subunit, PR65, functions as a scaffolding molecule which coordinates the assembly of the catalytic subunit and a variable regulatory B subunit. PPP2R1A is essential for proper chromosome segregation as well as for centromeric localization of SGOL1 in mitosis. Furthermore, PPP2R1A phosphorylation is an in vivo mechanism which regulates the PP2A signaling complex as well as increasing the PP2A activity in heart failure.
PPP2R1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 612 amino acids (1-589 a.a) and having a molecular mass of 67.7kDa.PPP2R1A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	PPP2R1A protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMAAADGD DSLYPIAVLI DELRNEDVQL RLNSIKKLST IALALGVERT RSELLPFLTD TIYDEDEVLL ALAEQLGTFT TLVGGPEYVH CLLPPLESLA TVEETVVRDK AVESLRAISH EHSPSDLEAH FVPLVKRLAG GDWFTSRTSA CGLFSVCYPR VSSAVKAELR QYFRNLCSDD TPMVRRAAAS KLGEFAKVLE LDNVKSEIIP MFSNLASDEQ DSVRLLAVEA CVNIAQLLPQ EDLEALVMPT LRQAAEDKSW RVRYMVADKF TELQKAVGPE ITKTDLVPAF QNLMKDCEAE VRAAASHKVK EFCENLSADC RENVIMSQIL PCIKELVSDA