

Recombinant Full Length Human PPP2R1A Protein, C-Flag-tagged

Cat. No. PPP2R1A-281HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PPP2R1A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	65.1 kDa
AA Sequence	MAAADGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSTIALALGVERTRSELLPFLTDITY DEDEVLLALA EQLGTFTTLVGGPEYVHCLLPPLSLATVEETVVRDKAVESLRAISHE HSPSDLEAHFVPLVKRLAGGDW FTSRTSACGLFSVCYPRVSSAVKAELRQYFRNL

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CSDDTPMVRRAAASKLGEFAKVLELDNVKSEIIPMFS NLASDEQDSVRLlaveacvn
 IAQLLPQEDLEALVMPTLRQAEDKSWRVRYMVADKFTelQKAVGPEITK TDLVPAF
 QNLMKDCEAEVRAAASHKVKEFCENLSADCRENVIMSQILPCIKELVSDANQHVksa
 LASVIM GLSPILGKDNTIEHLLPLFLAQLKDECPEVRLNIISNLDCVNEVIGIRQLSQSL
 LPAIVELAEDAKWRVR LAIEYMPLLAGQLGVEFFDEKLNSLCMAWLVDHVYAIREAA
 TSNLKKLVEKFGKEWAHATIIPKVLAMS GDPNYLHRMTTLFCINVLSEVCGQDITTKH
 MLPTVLRMAGDPVANVRFNVAKSLQKIGPILDNSTLQSEV
 KPILEKLTQDQDQDVVKYFAQEALTVLSLATRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Phosphatase, Transcription Factors
Protein Pathways	Long-term depression, Oocyte meiosis, TGF-beta signaling pathway, Tight junction, Wnt signaling pathway
Full Length	Full L.

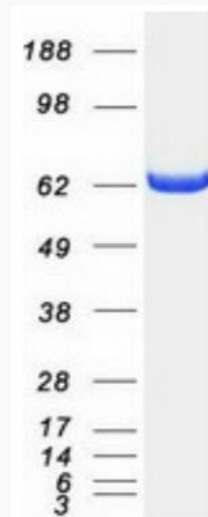
GENE INFORMATION

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Gene Name	PPP2R1A protein phosphatase 2 scaffold subunit Aalpha [Homo sapiens (human)]
Official Symbol	PPP2R1A
Synonyms	MRD36; PP2AA; PR65A; PP2AAAALPHA; PP2A-Aalpha
Gene ID	5518
mRNA Refseq	NM_014225.6
Protein Refseq	NP_055040.2
MIM	605983
UniProt ID	P30153



Coomassie blue staining of purified PPP2R1A protein.

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