PP2Aalpha/PPP2R1A Complex Recombinant Protein | PP2Aalpha/PPP2R1A recombinant protein

PP2Aalpha/PPP2R1A Complex, Active

CATALOG #	HOST	APPLICATIONS
AAA73046	**Sf9 insect cells using baculovirus**	**Western Blot**

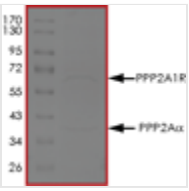
PRODUCT SYNONYMS

PP2Aalpha/PPP2R1A Complex; Active; PP2Aalpha/PPP2R1A; PP2Aalpha/PPP2R1A recombinant protein

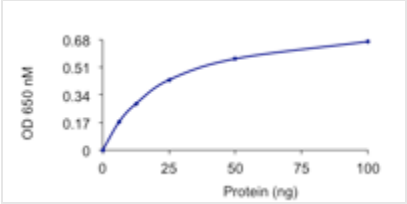
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM MOPS, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Sequence Positions	Full length
Sequence Length	2643
Applicable Applications for PP2Aalpha/PPP2R1A recombinant protein	WB (Western Blot), Phosphatase Assay
Species	Human
Tag	HIS tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PP2Aalpha/PPP2R1A recombinant protein	Description: Recombinant full length human PP2Aalpha and human PPP2R1A were expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. Scientific Background: PP2Aalpha is also known as Protein phosphatase 2A active subunit. PP2A is one of the four major Ser/Thr phosphatases and is a human tumor suppressor that inhibits cellular transformation. PP2A alpha gene encodes a specific phosphotyrosyl phosphatase activator of the dimeric form of protein phosphatase-2A (1). Protein phosphatase 2A holoenzyme is a heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. PTP2A alpha can alter the substrate specificity of PP2A leading to enhanced phosphotyrosine phosphatase activity and decreased phosphoserine phosphatase activity (2).

Product Categories/Family for PP2Aalpha/PPP2R1A recombinant protein	Enzymes; Active Phosphatases
References	1. Van Hoof, C. et.al: Structure and chromosomal localization of the human gene of the phosphotyrosyl phosphatase activator (PTPA) of protein phosphatase 2A. Genomics 28: 261-272, 1995. 2. Chao, Y. et.al: Structure and mechanism of the phosphotyrosyl phosphatase activator. Molec. Cell 23: 535-546, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57222566
NCBI GeneID	5515
NCBI Accession #	NM_002715.2
NCBI GenBank Nucleotide #	NM_002715
UniProt Accession #	P67775; P05323; P13197
Molecular Weight	~38 kDa; ~65 kDa
NCBI Official Full Name	Homo sapiens protein phosphatase 2 catalytic subunit alpha (PPP2CA), mRNA
NCBI Official Synonym Full Names	protein phosphatase 2 catalytic subunit alpha
NCBI Official Symbol	PPP2CA
NCBI Official Synonym Symbols	RP-C; PP2Ac; PP2CA; PP2Calpha
NCBI Protein Information	serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform
UniProt Protein Name	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform
UniProt Gene Name	**PPP2CA**
UniProt Synonym Gene Names	PP2A-alpha; RP-C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/ppp2ca-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-phosphatase-assay/73046