

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

PP2Aalpha/PPP2R1A Complex, Active

CATALOG # AAA73806	HOST Sf9 insect cells	APPLICATIONS Western Blot
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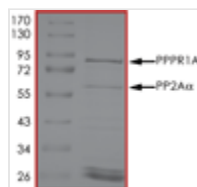
PRODUCT SYNONYMS

PP2Aalpha/PPP2R1A Complex; Active; PP2Aalpha: RP-C; PP2Ac; PP2CA; PPP2CA PPP2R1A: MRD36; PP2A-Aalpha; PP2AAALPHA; PR65A; PP2Aalpha/PPP2R1A recombinant protein

PRODUCT SPECIFICATIONS

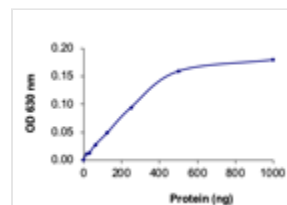
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM Glutathione, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for PP2Aalpha/PPP2R1A recombinant protein	WB (Western Blot), Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may 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



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PP2Aalpha/PPP2R1A recombinant protein

Recombinant full length human PP2Aa and human PPP2R1A were expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The PP2Aa gene accession number is NM_002715; PPP2R1A is NM_014225. 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	Phosphatases; AKT/PKB Pathway; Cancer; Cell Cycle; Inflammation; Metabolic Disorder; Neurobiology; 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 GenBank Nucleotide #	NM_002715
Molecular Weight	PP2Aalpha -64kDa PPP2R1A -91kDa

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://www.aaabiotech.com/pp2aalp2r1a-complex-recombinant-protein-sf9-wb-western-blot-phosphatase-assay/73806>