

PP1A recombinant protein

PP1A, Active

CATALOG # AAA73803	HOST E Coli	APPLICATIONS Phosphatase Assay
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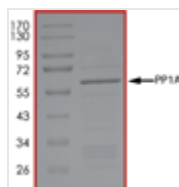
PRODUCT SYNONYMS

PP1A; Active; PP-1A; PPP1A; PPP1CA; MGC1674; MGC15877; PP1A recombinant protein

PRODUCT SPECIFICATIONS

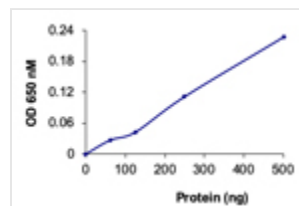
Host	E Coli
Form/Format	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione, 0.1mM PMSF, 0.25mM DTT, and 25% glycerol.
Applicable Applications for PP1A recombinant protein	Phosphatase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional 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 PP1A recombinant protein	Recombinant full-length human PP1A was expressed in E Coli cells using the N-terminal GST, His tags. The PP1A gene accession number is NM_002708. PP1A is a serine/threonine specific protein phosphatase family which is involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. PP1A is one of the three catalytic subunits of protein phosphatase 1 (PP1)(1). PP1A functions as a suppressor of learning and memory and as a potential mediator of cognitive decline during aging (2).PP1A is also play a main role in splice site selection and is an important regulator of cardiac function.
Product Categories/Family for PP1A recombinant protein	Phosphatases; Cancer; Cardiovascular Disease; Cell Cycle; ERK/MAPK Pathway; Metabolic Disorder; Phosphatases; Ser/Thr Kinases

References

1. Cohen, P.et.al: Protein phosphatases come of age. J. Biol. Chem. 264: 21435-21438, 1989.
2. Genoux, D. et.al: Protein phosphatase 1 is a molecular constraint on learning and memory. Nature 418: 970-975, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002708
Molecular Weight	64kDa

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/pp1a-recombinant-protein-e-coli-phosphatase-assay/73803>