Protein Phosphatase 2A$_2$ from bovine kidney

Product Number P 1868
Storage Temperature -70 °C

Synonyms: PP2A$_2$

Product Description
Protein Phosphatase 2A$_2$ is a divalent cation-independent protein serine/threonine phosphatase. This product is a dimer consisting of the A and C subunits, which have molecular weights of 65 kDa and 36 kDa, respectively. This enzyme is involved in regulating numerous cellular processes including cell cycle, growth, and differentiation. It also has a role in oncogenic transformation and as a growth suppressor.

The product is supplied as a solution of 50 mM Tris-HCl, pH 7.0, containing 14 mM 2-mercaptoethanol, 1 mM benzamidine, 0.1 mM PMSF, 1 mM EDTA, and 50% glycerol.

Specific Activity: ~2,000 units per mg protein (~2 units per vial).

Unit Definition: One unit will release 1 nanomole of inorganic phosphate from $^{32}$P-labeled phosphorylase per minute at 30 °C at pH 7.0.

Purity: minimum 90% (SDS-PAGE)

Precautions and Disclaimer
This product is for laboratory research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability
The product ships in dry ice and storage at −70 °C is recommended. Avoid freeze-thaw cycles. Store working aliquots at −70 °C. The product is stable for 24 to 48 hours at 2-8 °C.

References