Recombinant Human PP2A-Cα/PPP2CA protein (His Tag)

Catalog Number: PDEH101010

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

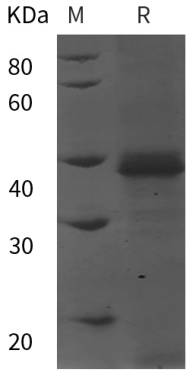
Description

Species	Human
Source	E.coli-derived Human PP2A-Cα protein Met1-Leu309, with an N-terminal His & C-terminal His
Calculated MW	39.3 kDa
Observed MW	40 kDa
Accession	P67775
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Protein Phosphatase 2A (PP2A) is an enzyme that removes phosphates covalently attached to serine and threonine residues in proteins. It contains three subunits, a catalytic subunit C (PP2Ac), an assembly/structural subunit A (PP2A a), and a regulatory subunit B (PP2Ab). PP2A is a ubiquitous enzyme that plays a role in regulating many cellular activities varying from ion transport in erythrocytes to suppressing tumor growth. Binding of the SV40 small T antigen to the PP2A phosphatase complex is known to cause oncogenic transformation.