Recombinant Mouse Serpin E1/PAI-1 Protein (His Tag)

Catalog Number: PDEM100285

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

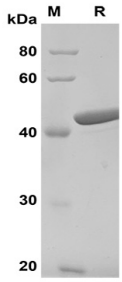
Description

Species	Mouse
Source	E.coli-derived Mouse Serpin E1 protein Thr23-Pro402, with an N-terminal His
Calculated MW	41.7 kDa
Observed MW	42 kDa
Accession	P22777
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°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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



SDS-PAGE analysis of Mouse Serpin E1/PAI-1 proteins, 2 μg/lane of Recombinant Mouse Serpin E1/PAI-1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 42 kDa.

Background

Plasminogen activator inhibitor-1 (serpin E1) is a serine protease inhibitor which belongs to the serpin family. Serpin E1 acts as 'bait' for tissue plasminogen activator, urokinase, protein C and matriptase-3/TMPRSS7. Its rapid interaction with PLAT may function as a major control point in the regulation of fibrinolysis.

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