Recombinant Mouse MUC16 Protein (His Tag)

Catalog Number: PDEM100315

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

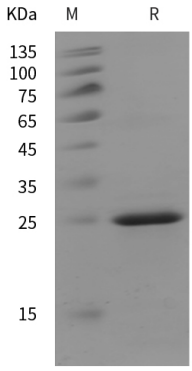
Description

Species	Mouse
Source	E.coli-derived Mouse MUC16 protein Ile6188-Ser6372, with an N-terminal His
Calculated MW	20.2 kDa
Observed MW	25 kDa
Accession	A0A140LJ72
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 MUC16 proteins, 2 μg/lane of Recombinant Mouse MUC16 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 25 kDa.

Background

Mucin-16 is a heavily O-glycosylated protein that can be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus, which induces proteolytic cleavage and liberation of extracellular domain. I provides protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Mucin-16 is composed of three domains: a Serine, Threonine-rich N-terminal domain, a repeated domain containing between 12 and 60 partially conserved tandem repeats of 156 amino acids and a C-terminal transmembrane domain with a short cytoplasmic tail.

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