

Recombinant Porcine IGHE Protein (His Tag)

Catalog Number: PDMP100004

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

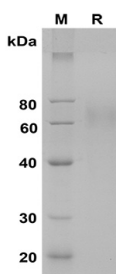
Description

Species	Porcine
Source	Mammalian-derived Porcine IGHE protein Ser1-Lys424, with an C-terminal His
Calculated MW	46.5 kDa
Observed MW	60-70 kDa
Accession	K7ZJQ0
Bio-activity	Not validated for activity

Properties

Purity	> 85% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 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 Porcine IGHE proteins, 2 µg/lane of Recombinant Porcine IGHE proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 60-70 kDa.

Background

IgE is the class of antibodies produced in the lungs, skin, and mucous membranes. It may protect against parasite invasion, but it is a major factor in allergic reactions. The antigen-specific IgE interacts with mast cells and eosinophils, triggers the release of histamine, leukotrienes and other substances that lead to the itching, sneezing and congestion of allergies-and the life threatening respiratory distress of asthma and anaphylactic shock.

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