

Recombinant Mouse Collectin-11/COLEC11 Protein (Baculovirus, His Tag)

Catalog Number: PKSM040809

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

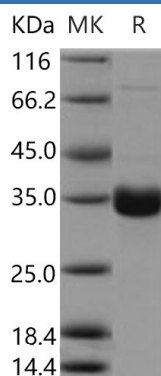
Description

Species	Mouse
Source	Baculovirus-Insect Cells-derived Mouse Collectin-11/COLEC11 protein Met1-Leu272, with an C-terminal His
Calculated MW	27.6 kDa
Observed MW	33-37 kDa
Accession	Q3SXB8-1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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 sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Mouse Collectin Kidney Protein 1 (CL-K1) is an approximately 27.1 kD secreted protein and belongs to COLEC10/COLEC11 family. The collectins are a group of innate immune proteins structurally characterized by their content of a carbohydrate recognition domain and a collagen-like region. Collectin-11 are highly expressed in embryonic murine craniofacial cartilage, heart, bronchi, kidney and vertebral bodies. Collectins play important roles in the innate immune system by binding to carbohydrate antigens on microorganisms, facilitating their recognition and removal.

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