

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

Catalog No. PKSM040809

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

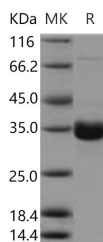
Description

| | |
|------------------------------------|---|
| Synonyms | Collectin-11;Collectin Kidney Protein 1;CL-K1;Colec11 |
| Species | Mouse |
| Expression Host | Baculovirus-Insect Cells |
| Sequence | Met1-Leu272 |
| Accession | Q3SXB8-1 |
| Calculated Molecular Weight | 27.6 kDa |
| Observed molecular weight | 33-37 kDa |
| Tag | C-His |
| Bioactivity | 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% Tween80 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 a approximately 27.1kD secreted protein and belongs to COLEC10/COLEC11 family, The collectins are a group of innate immune proteins structurally characterized by their

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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.