



Recombinant Protein Technical Manual  
Recombinant Mouse Collectin1/COLEC11 Protein  
(Human Cells, His Tag)  
RPES1930

Product Data:

**Product SKU:** RPES1930

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q3SXB8

Protein Information:

**Molecular Mass:** 27.1 kDa

**AP Molecular Mass:** 30-35 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 of PBS, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Collectin1; Collectin Kidney Protein 1; CL-K1; Colec11

## Immunogen Information:

**Sequence:** Gln27-Leu272

## Background:

Mouse Collectin Kidney Protein 1 (CL-K1) is an approximately 27.1 kD secreted protein and belongs to the 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. Collectin1 is 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.