

# Recombinant Human CRTAM/CD355 (A65V) Protein

Catalog No.: RP02670 Recombinant

### **Sequence Information**

Species Gene ID Swiss Prot Human 56253 095727-1

**Tags** 

C-His

**Synonyms** 

CD355 antigen; CD355; CRTAM

### **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

30.77 kDa 45-65 kDa

#### **Endotoxin**

< 0.01 EU/ $\mu$ g of the protein by LAL method

#### **Formulation**

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

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### **Background**

Class-I Restricted T Cell-Associated Molecule (CRTAM) is a protein that is expressed after T cell activation. The interaction of CRTAM with its ligand, nectin-like 2 (Necl2), is required for the efficient production of IL-17, IL-22, and IFN $\gamma$  by murine CD4 T cells, and it plays a role in optimal CD8 T and NK cell cytotoxicity. CRTAM promotes the proinflammatory cytokine profile; therefore, it may take part in the immunopathology of autoimmune diseases such as diabetes type 1 or colitis.

#### **Basic Information**

#### **Description**

Recombinant Human CRTAM Protein is expressed from HEK293 cells with a His tag at the C-terminal. [It contains Ser18-Gly287.

### **Bio-Activity**

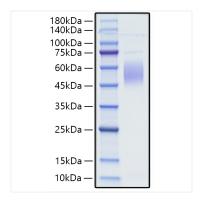
#### **Storage**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

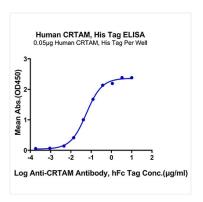
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Validation Data**



Recombinant Human CRTAM/CD355 (A65V) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human CRTAM, His Tag at  $0.5\mu g/ml$  (100 $\mu l/Well$ ) on the plate. Dose response curve for Anti-CRTAM Antibody, hFc Tag with the EC<sub>50</sub> of 57.3ng/ml determined by ELISA.