

## General Information

### Gene Name Synonym

Class-I MHC-restricted T-cell-associated molecule

### Protein Construction

A DNA sequence encoding the human CRTAM (NP\_062550.2) extracellular domain (Met 1-Ser 286) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human CADM1 at 2 µg/ml (100 µl/well) can bind biotinylated human CRTAM with a linear range of 12.5-400 ng/ml.

### Purity

> 94 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 18

### Molecular Mass

The recombinant human CRTAM consists of 280 amino acids and predicts a molecular mass of 31.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCRTAM is approximately 50-60 kDa due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

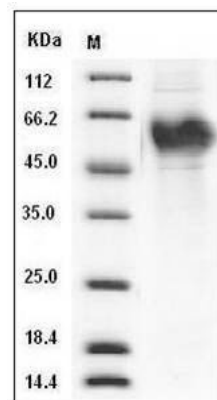
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CRTAM Protein (His Tag) SDS-PAGE