

Datasheet for ABIN7597467

## CRTAM Protein (AA 18-287) (His tag)



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### Overview

Quantity:	10 µg
Target:	CRTAM
Protein Characteristics:	AA 18-287
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRTAM protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Cynomolgus CRTAM protein with C-terminal 10xHis tag
Sequence:	CRTAM(Ser18-Gly287) 10xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	CRTAM
Alternative Name:	CRTAM ( <a href="#">CRTAM Products</a> )
Background:	CD355  The CRTAM gene is upregulated in CD4 (see MIM 186940)-positive and CD8 (see CD8A, MIM 186910)-positive T cells and encodes a type I transmembrane protein with V and C1-like Ig domains (Yeh et al., 2008 [PubMed 18329370]).[supplied by OMIM, Feb 2009]

## Target Details

Molecular Weight:	predicted molecular mass of 31.4 kDa after removal of the signal peptide. The apparent molecular mass of cCRTAM-His is 35-70 kDa due to glycosylation.
NCBI Accession:	<a href="#">XP_005580021</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none"><li>• Immunogens for antibody drug development</li><li>• Reagents used for CAR-T positive cell monitoring</li><li>• Reagents for antibody screening and functional testing</li><li>• Reagents for antibody affinity measurement</li></ul>
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months