

Datasheet for ABIN7597461

CRTAM Protein (AA 18-287) (Fc Tag)



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Overview

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

Product Details

Purpose:	Recombinant human CRTAM Protein with C-terminal human Fc tag
Sequence:	CRTAM(Ser18-Gly287) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CRTAM
Alternative Name:	CRTAM (CRTAM Products)
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 56.1 kDa after removal of the signal peptide. The apparent molecular mass of CRTAM-hFc is 70-100 kDa due to glycosylation.
UniProt:	O95727
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
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