

Datasheet for ABIN7597439

CD3G Protein (AA 23-116) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	CD3G
Protein Characteristics:	AA 23-116
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3G protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human CD3G Protein with C-terminal human Fc tag
Sequence:	CD3G(Gln23-Ser116) 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:	CD3G
Alternative Name:	CD3G (CD3G Products)
Background:	<p>T3G, IMD17, CD3GAMMA, CD3-GAMMA</p> <p>The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling</p>

Target Details

antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 36.8 kDa after removal of the signal peptide. The apparent molecular mass of CD3G-hFc is 35-55 kDa due to glycosylation.

UniProt: [P09693](#)

Pathways: [TCR Signaling, CXCR4-mediated Signaling Events](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- 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