

Datasheet for ABIN7504266

CD3 epsilon Protein (CD3E) (AA 22-117) (His-DYKDDDDK Tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD3 epsilon (CD3E)
Protein Characteristics:	AA 22-117
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3 epsilon protein is labelled with His-DYKDDDDK Tag.

Product Details

Purpose:	Cynomolgus CD3E&CD3D/CD3 epsilon&CD3 delta Protein
Sequence:	Gln22-Asp117(CD3E) & Phe22-Ala105(CD3D)
Specificity:	Uni-Prot: Q95LI5.2 (CD3E), Q95LI8 (CD3D)
Characteristics:	Recombinant Cynomolgus CD3E&CD3D/CD3 epsilon&CD3 delta Protein is expressed from HEK293 with His tag and Flag tag at the C-Terminus. It contains Gln22-Asp117(CD3E) & Phe22-Ala105(CD3D).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Background:	T-cell surface glycoprotein CD3 epsilon&CD3 delta chain, also known as CD3E & CD3D , are single-pass type I membrane proteins. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.
Molecular Weight:	11.93 kDa (CD3E) and 10.55 kDa (CD3D). Due to glycosylation, the protein migrates to 13-20 kDa based on Tris-Bis PAGE result.
UniProt:	Q95LI5
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months