

Datasheet for ABIN7274299
CD3D Protein (AA 22-105) (His tag)

2 Images

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Overview

Quantity:	100 µg
Target:	CD3D
Protein Characteristics:	AA 22-105
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3D protein is labelled with His tag.

Product Details

Purpose:	Human CD3D/CD3 delta Protein
Sequence:	Phe22-Ala105
Characteristics:	Recombinant Human CD3D/CD3 delta Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe22-Ala105.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CD3D
Alternative Name:	CD3D (CD3D Products)

Target Details

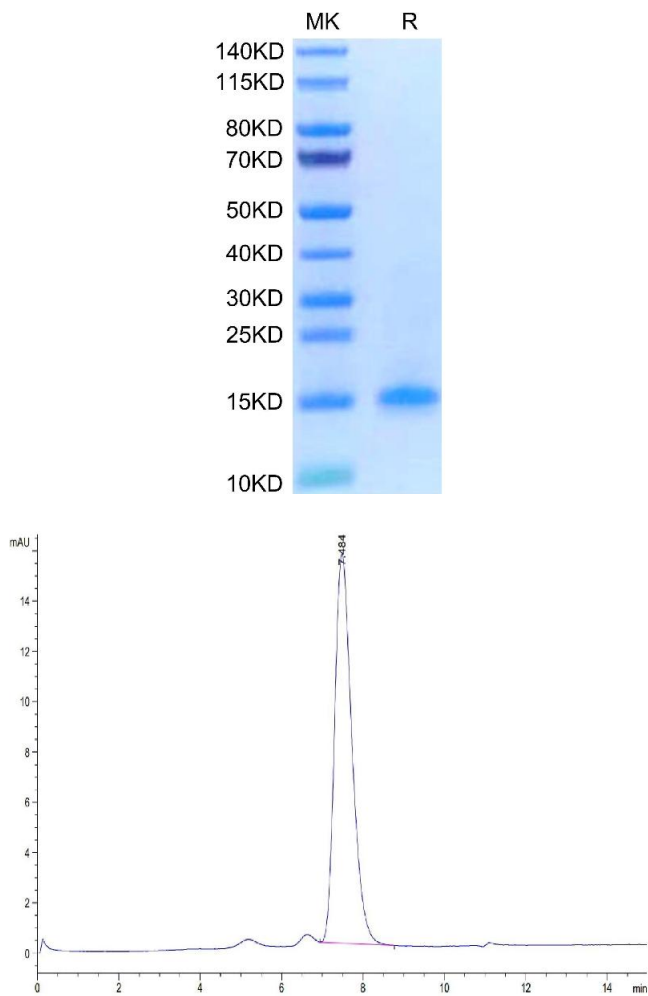
Background:	T-cell surface glycoprotein CD3 delta chain, also known as CD3D, is a single-pass type I membrane protein. In immunology, the CD3 (cluster of differentiation 3) T cell co-receptor helps to activate both the cytotoxic T cell (CD8 naive T cells) and also T helper cells (CD4 naive T cells). It consists of a protein complex and is composed of four distinct chains. In mammals, the complex contains a CD3 γ chain, a CD3 δ chain, and two CD3 ϵ chains.
Molecular Weight:	10.4 kDa. Due to glycosylation, the protein migrates to 15 kDa based on Tris-Bis PAGE result.
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events

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 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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



SDS-PAGE

Image 1. Human CD3 delta on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD3 delta is greater than 95 % as determined by SEC-HPLC.