

Product datasheet

Recombinant Human CD3 zeta protein ab139254

1 Image

Description

<b>Product name</b>	Recombinant Human CD3 zeta protein	
<b>Purity</b>	> 90 % SDS-PAGE. ab139254 is purified using conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P20963</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMGSRVKFSRSADAPAYQQ GQNQLYNELNLG RREEYDVLDKRRGRDPEMGGKPQRRKNPQEGLYNELQK DKMAEAYSEIGM KGERRRGKGDGLYQGLSTATKDTYDALHMQALPPR	
<b>Predicted molecular weight</b>	15 kDa including tags	
<b>Amino acids</b>	62 to 164	
<b>Tags</b>	His tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab139254** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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pH: 8.00

Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

## General Info

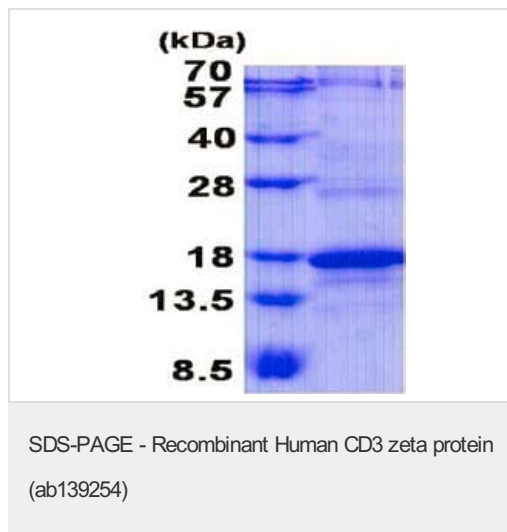
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<b>Function</b>	Probable role in assembly and expression of the TCR complex as well as signal transduction upon antigen triggering.
<b>Involvement in disease</b>	Defects in CD247 are the cause of immunodeficiency due to defect in CD3-zeta (CD3ZID) [MIM:610163]. An immunological deficiency characterized by T-cells impaired immune response to alloantigens, tetanus toxoid and mitogens.
<b>Sequence similarities</b>	Belongs to the CD3Z/FCER1G family. Contains 3 ITAM domains.
<b>Domain</b>	The ITAM domains mediate interaction with SHB.
<b>Post-translational modifications</b>	Phosphorylated on Tyr residues after T-cell receptor triggering.
<b>Cellular localization</b>	Membrane.

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## Images

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15% SDS-PAGE analysis of 3 µg ab139254.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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