

Datasheet for ABIN1096341  
**CD8B Protein (AA 22-170) (His tag)**



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## Overview

Quantity:	50 µg
Target:	CD8B
Protein Characteristics:	AA 22-170
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD8B protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human CD8 β Chain/CD8B (C-6His)
Sequence:	LQQTPAYIKV QTNKMVMLSC EAKISLSNMR IYWLRRQAP SSDSHHEFLA LWDSAKGTIH GEEVEQEKIA VFRDASRFIL NLTSVKPEDS GIYFCMIVGS PELTFGKGTQ LSVVDLPTT AQPTKKSTLK KRVCLRPPE TQKGPLCSPV DHHHHHH
Characteristics:	Recombinant Human CD8 β Chain/CD8B (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	CD8B
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## Target Details

Alternative Name:	T-Cell Surface Glycoprotein CD8beta Chain/CD8B ( <a href="#">CD8B Products</a> )
Background:	<p>Recombinant Human T-Cell Surface Glycoprotein CD8<math>\beta</math> Chain/CD8B is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Leu22-Pro170) of Human CD8B fused with a polyhistidine tag at the C-terminus.</p> <p>T-Cell Surface Glycoprotein CD8<math>\beta</math> Chain (CD8 Antigen) is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. CD8 Antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two <math>\alpha</math> chains, or a heterodimer composed of one <math>\alpha</math> and one <math>\beta</math> chain. Both <math>\alpha</math> and <math>\beta</math> chains share significant homology to immunoglobulin variable light chains. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified.</p>
Molecular Weight:	17.8 kDa
UniProt:	<a href="#">P10966</a>
Pathways:	<a href="#">TCR Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 <math>\mu</math>g/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>