

# CD8B (Human) Recombinant Protein

Catalog # P9652

Size 20 ug

## Specification

<b>Product Description</b>	Human CD8B (P10966, 22 a.a. - 170 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMGSLLQQTTPAYIKVQTNKMVMLSCEAKISLSNMRIWLRQRQAPS SDSHHEFLALWDSAKGTIHGEEVEQEKIAVFRDASRFILNTSVKPEDSGIYFCMVGSPELTFGKG TQLSVVDFLPTTAQPTKKSTLKKRVCRLRPETQKGPLCSP
<b>Theoretical MW (kDa)</b>	19.2
<b>Form</b>	Liquid
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 80.0% by SDS-PAGE
<b>Recommend Usage</b>	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 20mM Tris-HCl pH 8.0 (0.4 M Urea and 10% glycerol)
<b>Storage Instruction</b>	Store at 2°C to 8°C for 2-4 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- SDS-PAGE

## Gene Info — CD8B

Entrez GeneID [926](#)Protein Accession# [P10966](#)

Gene Name	CD8B
Gene Alias	CD8B1, LYT3, Leu2, Ly3, MGC119115
Gene Description	CD8b molecule
Omim ID	<a href="#">186730</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigen 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 alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 beta chain isoforms. 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. [provided by RefSeq]</p>
Other Designations	CD8 antigen, beta polypeptide (p37) CD8 antigen, beta polypeptide 1 (p37) CD8b antigen OTTH UMP00000160761 T lymphocyte surface glycoprotein beta chain T-cell surface glycoprotein CD8 beta chain

## Pathway

- [Antigen processing and presentation](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Tobacco Use Disorder](#)