

Datasheet for ABIN7320289

**CD5 Protein (CD5) (AA 1-371) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	CD5
Protein Characteristics:	AA 1-371
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD5 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD5 Protein (aa 1-371, His Tag)
Sequence:	Met 1-Pro 371
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CD5 (NP_031676.3) (Met 1-Pro 371) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	CD5
Alternative Name:	CD5 ( <a href="#">CD5 Products</a> )
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in

## Target Details

immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD5 is a member of the CD system. CD5 was found to be widely distributed in T-cells and B1 cells which is a subset of IgM-secreting B cells. CD5 also was found expressed in small lymphocytic lymphoma, hairy cell leukaemia and mantle cell lymphoma cells. CD5 serves to weaken the activating stimulus from the BCR so that the B1 cells can only reflect to the very strong stimuli but not the normal tissue proteins.

Synonym: T-cell surface glycoprotein CD5, CD5, CD5 antigen, CD5 antigen (p56-62), CD5 Molecule, LEU1T-cell surface glycoprotein CD5, Lymphocyte antigen T1,Leu-1, T1, Ly-1

Molecular Weight:	39.4 kDa
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NCBI Accession:	<a href="#">NP_031676</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

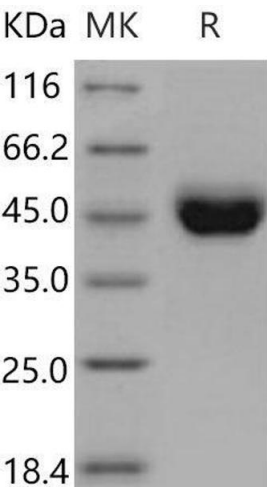
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.