

Datasheet for ABIN7274105  
**CD2 Protein (CD2) (His tag)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	CD2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD2 protein is labelled with His tag.

## Product Details

Sequence:	Lys25-Asp209
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 9.91 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	CD2
Alternative Name:	CD2 ( <a href="#">CD2 Products</a> )
Background:	T11, CD2, SRBC, LFA-2, LFA-3 receptor, The CD2 family of receptors is evolutionarily conserved and widely expressed on cells within the hematopoietic compartment. In recent years several new members have been identified with important roles in the immune system. CD2 family

## Target Details

	members regulate natural killer (NK) cell lytic activity and inflammatory cytokine production when engaged by ligands on tumor cells.
Molecular Weight:	22.3 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P06729</a>

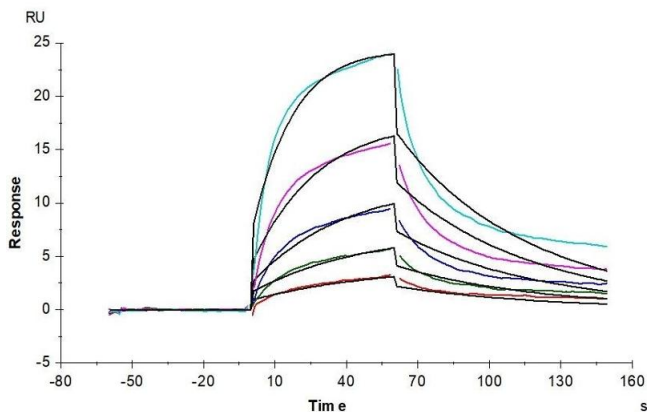
## Application Details

Restrictions:	For Research Use only
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## Handling

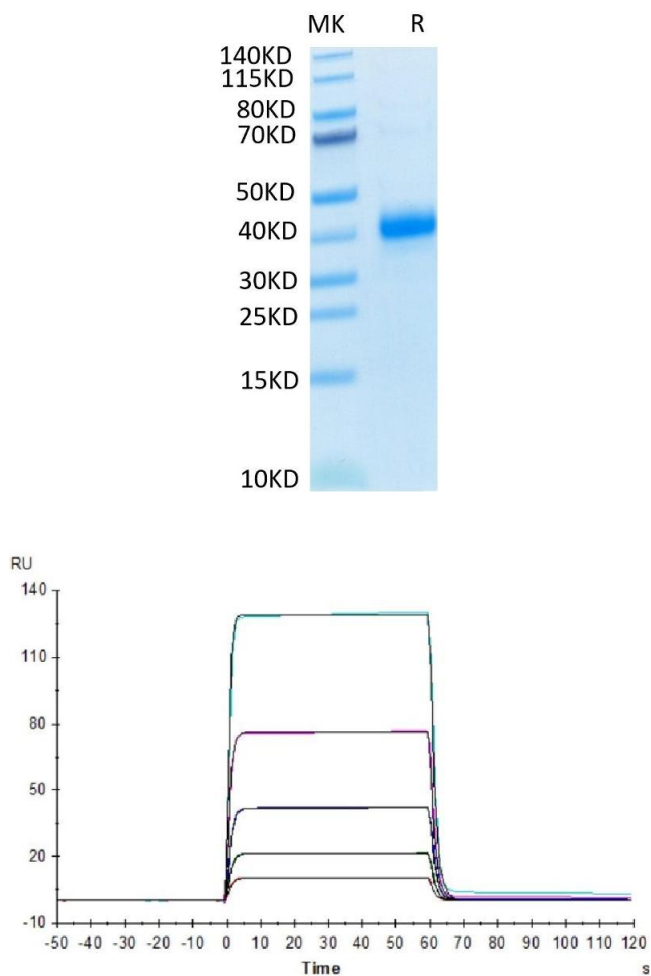
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

## Images



### Surface Plasmon Resonance

**Image 1.** Human CD2, His Tag captured on CM5 Chip via anti-his antibody can bind Human CD58, hFc Tag with an affinity constant of 9.91 nM as determined in SPR assay (Biacore T200).



SDS-PAGE

**Image 2.** Human CD2/SRBC on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Surface Plasmon Resonance

**Image 3.** Human CD58, hFc Tag captured on CM5 Chip via Protein A can bind Human CD2, His Tag with an affinity constant of 440 nM as determined in SPR assay (Biacore T200).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274105.