

Datasheet for ABIN6809998  
**CD73 Protein (AA 27-549) (His tag)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	CD73 (NT5E)
Protein Characteristics:	AA 27-549
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD73 protein is labelled with His tag.

## Product Details

Sequence:	AA 27-549
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	CD73 (NT5E)
Alternative Name:	CD73 ( <a href="#">NT5E Products</a> )
Background:	5'-nucleotidase (5'-NT), also known as ecto-5'-nucleotidase or CD73 (cluster of differentiation 73), is an enzyme that is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine. Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. Other forms of 5-prime nucleotidase exist in the cytoplasm and

## Target Details

lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate. Rare allelic variants are associated with a syndrome of adult-onset calcification of joints and arteries (CALJA) affecting the iliac, femoral, and tibial arteries reducing circulation in the legs and the joints of the hands and feet causing pain.

Molecular Weight: 59.9 kDa

NCBI Accession: [NP\\_002517](#)

Pathways: [Synaptic Membrane](#), [Ribonucleoside Biosynthetic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

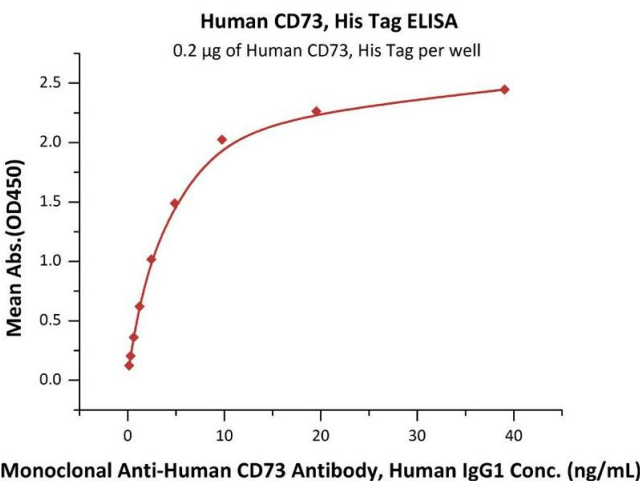
Format: Lyophilized

Buffer: 20 mM Tris, 120 mM NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

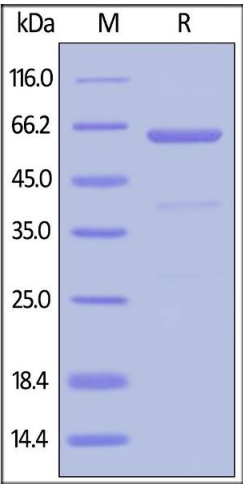
Storage: -20 °C

## Images



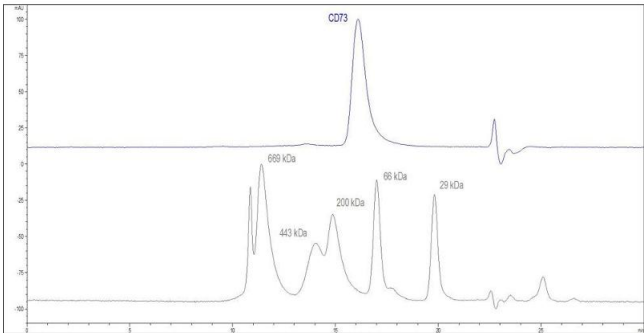
### ELISA

**Image 1.** Immobilized Human CD73, His Tag (Hied) (ABIN6731289, ABIN6809998, ABIN6809999) at 2 µg/mL (100 µL/well) can bind Monoclonal A CD73 Antibody, Human IgG1 with a linear range of 0.15-5 ng/mL (Routinely tested).



SDS-PAGE

**Image 2.** Human CD73, His Tag (Hied) on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



High Pressure Liquid Chromatography

**Image 3.** The purity of Human CD73, His Tag (Hied) (ABIN6731289,ABIN6809998,ABIN6809999) was greater than 90 % as determined by .