

# Rat CD73 Protein, His Tag (active enzyme)

Catalog # CD3-R52H5



BIOSYSTEMS  
**Acro**  
Surprise Inside!

## Synonym

CD73,NT5E,5'-Nucleotidase,5'-NT,NT5,NTE

## Source

Rat CD73, His Tag(CD3-R52H5) is expressed from human 293 cells (HEK293).

It contains AA Trp 27 - Ser 551 (Accession # [P21588](#) ).

Predicted N-terminus: Trp 27

## Molecular Characterization

CD73(Trp 27 - Ser 551)  
P21588 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 60.3 kDa. The protein migrates as 62-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in 20mM Tris,120mM NaCl,pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

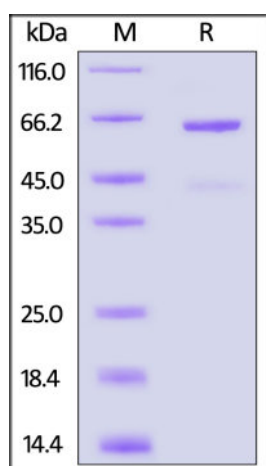
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Rat CD73, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

## Bioactivity

Measured by its ability to hydrolyze the 5' phosphate group from the substrate adenosine 5' monophosphate (AMP). The specific activity is > 50,000 pmol/min/µg (QC tested).

## Background

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## Clinical and Translational Updates

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