

# Human CD73 / NT5E (His Tag) recombinant protein



Catalog Number: 500201

## General Information

### Gene Name Synonym

Ecto-5'-nucleotidase

### Protein Construction

A DNA sequence encoding the human NT5E (NP\_002517.1) (Met 1-Lys 547) without the propeptide was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to hydrolyze the 5'phosphate group from the substrate adenosine 5'monophosphate (AMP).

The specific activity is > 20,000 pmoles/min/μg.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Trp 27

### Molecular Mass

The secreted recombinant human NT5E consists of 532 amino acids with the predicted molecular mass of 59.2 kDa.

### Formulation

Lyophilized from sterile 20mM Tris, 120 mM NaCl, 4 mM CaCl<sub>2</sub>, 20 % glycerol, pH 7.5.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

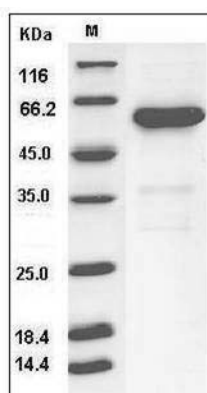
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD73 / NT5E Protein (His Tag) SDS-PAGE