

## Active Recombinant Human CD73 protein, His-tagged

Cat. No. CD73-200H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD73 protein(NP_002517.1)(Met1-Lys547), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys547
<b>Form</b>	Lyophilized from sterile 20mM Tris, 120 mM NaCl, 4 mM CaCl <sub>2</sub> , 20 % glycerol, pH 7.5. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Using the Octet RED System, the affinity constant (K <sub>d</sub> ) of CD73 Protein, Human, Recombinant (His Tag) bound MEDI9447 was 0.3 nM. 2. Measured by its ability to hydrolyze the 5'phosphate group from the substrate adenosine 5'monophosphate (AMP). The specific activity is > 15,000 pmoles/min/μg.
<b>Molecular Mass</b>	The secreted recombinant human NT5E consists of 532 amino acids with the predicted molecular mass of 59.2 kDa.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method
<b>Purity</b>	> 85 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage**

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
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**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION****Official Symbol**

CD73

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