

# Active Recombinant Human CD73 protein, His-tagged

**Cat. No.** CD73-3026H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD73 protein(Trp 27-Ser 549), fused with His tag, was expressed in HEK293.                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Trp 27-Ser 549                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 120 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.                                                                  |
| <b>Bio-activity</b>     | Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The specific activity is >100000pmol/min/µg.                                                   |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 59.9 kDa. The protein migrates as 40 kDa and 65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                      |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.>90% as determined by SEC-HPLC.                                                                                                                                                  |
| <b>Storage</b>          | 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                                       |

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

**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.

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