

Active Recombinant *Sus scrofa* (Pig) CD73 protein, His-tagged

Cat. No. CD73-3021S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Sus scrofa</i> (Pig) CD73 protein(Trp 27-Ser 549), fused with His tag, was expressed in HEK293.
Species	<i>Sus scrofa</i> (Pig)
Source	HEK293
ProteinLength	Trp 27-Ser 549
Form	Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 120 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The specific activity is > 50000 pmol/min/µg.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 59.5 kDa. The protein migrates as 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
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

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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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