

Active Recombinant Cynomolgus/Rhesus ENTPD1 protein(Thr60-Val500), His-tagged

Cat. No. ENTPD1-1000C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus / Rhesus ENTPD1 (XP_015311944.1/XP_015003298.1) (Thr60-Val500) was expressed in Insect Cells with a polyhistidine tag at the C-terminus. Cynomolgus and Rhesus ENTPD1 sequences are identical.
Species	Cynomolgus/Rhesus
Source	Insect Cells
ProteinLength	Thr60-Val500
Form	Lyophilized from sterile 20 mM Tris, 300 mM NaCl, 10 % glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to hydrolyze the 5'phosphategroups from the substrate adenosine 5'triphosphate(ATP). The specific activity is > 5000 pmoles/min/μg.
Molecular Mass	The recombinant cynomolgus / rhesus ENTPD1 consists of 452 amino acids and predicts a molecular mass of 51.8 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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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.

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