

Active Recombinant Mouse ENTPD5 protein(Thr19-Ser427), His-tagged

Cat. No. ENTPD5-3368M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ENTPD5 (Q9WUZ9) (Thr19-Ser427) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Thr19-Ser427
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% glycerol, pH 7.4. 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'phosphate groups from the substrate guanosine 5'diphosphate (GDP). The specific activity is > 7000 pmols/min/μg.
Molecular Mass	The recombinant mouse ENTPD5 consists of 419 amino acids and has a calculated molecular mass of 46.6 kDa. The recombinant protein migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the 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.

GENE INFORMATION

Gene Name [Entpd5 ectonucleoside triphosphate diphosphohydrolase 5 \[Mus musculus \]](#)

Official Symbol [ENTPD5](#)

Synonyms ENTPD5; ectonucleoside triphosphate diphosphohydrolase 5; NTPDase 5; GDPase ENTPD5; UDPase ENTPD5; CD39 antigen-like 4; nucleoside diphosphatase; uridine-diphosphatase ENTPD5; guanosine-diphosphatase ENTPD5; Pcph; Cd39l4; mNTPase; AI196558; AI987697; NTPDase5; ER-UDPase; NTPDase-5;

Gene ID [12499](#)

mRNA Refseq [NM_001026214](#)

Protein Refseq [NP_001021385](#)

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