

## Active Recombinant Human ENTPD5 Protein, His-tagged

Cat. No. ENTPD5-1034H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ENTPD5 (Accession # O75356) Val21-His428 (major) & Ser46-His428 (minor), fused with a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Val21-His428 (major) & Ser46-His428 (minor)
<b>Predicted N Terminal</b>	Val21 & Ser46
<b>Form</b>	Supplied as a 0.2 µ filtered solution in Tris, CaCl <sub>2</sub> , NaCl and Glycerol.
<b>Bio-activity</b>	Measured by its ability to hydrolyze the 5"-phosphate groups from the substrate guanosine-5"-diphosphate (GDP). The orthophosphate product is measured by a Malachite Green Phosphate Detection Kit. The specific activity is >7,000 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human ENTPD5, His-tagged has a calculated MW of 46 kDa. In SDS-PAGE migrates as 50-60 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

## GENE INFORMATION

<b>Gene Name</b>	ENTPD5 ectonucleoside triphosphate diphosphohydrolase 5 [ Homo sapiens ]
<b>Official Symbol</b>	ENTPD5
<b>Synonyms</b>	ENTPD5; ectonucleoside triphosphate diphosphohydrolase 5; CD39L4, PCPH, proto oncogene CPH; NTPDase 5; ER-UDPase; CD39-like 4; GDPase ENTPD5; UDPase ENTPD5; proto-oncogene CPH; CD39 antigen-like 4; nucleoside diphosphatase; PcpH proto-oncogene protein; uridine-diphosphatase ENTPD5; guanosine-diphosphatase ENTPD5; PCPH; CD39L4; NTPDase-5; MGC163357; MGC163359;
<b>Gene ID</b>	957
<b>mRNA Refseq</b>	NM_001249
<b>Protein Refseq</b>	NP_001240
<b>MIM</b>	603162
<b>UniProt ID</b>	O75356
<b>Chromosome Location</b>	14q24

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