

Active Recombinant Human ENTPD5 Protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
ProteinLength	Val21-His428 (major) & Ser46-His428 (minor)
Predicted N Terminal	Val21 & Ser46
Form	Supplied as a 0.2 µ filtered solution in Tris, CaCl ₂ , NaCl and Glycerol.
Bio-activity	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.
Molecular Mass	Recombinant Human ENTPD5, His-tagged has a calculated MW of 46 kDa. In SDS-PAGE migrates as 50-60 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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

Gene Name	ENTPD5 ectonucleoside triphosphate diphosphohydrolase 5 [Homo sapiens]
Official Symbol	ENTPD5
Synonyms	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;
Gene ID	957
mRNA Refseq	NM_001249
Protein Refseq	NP_001240
MIM	603162
UniProt ID	O75356
Chromosome Location	14q24

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