# Active Recombinant Human ENPP7 Protein, His-tagged

**Cat. No.** ENPP7-865H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ENPP7 (Accession # NP_848638) Ala22-Ser439, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **ProteinLength** | Ala22-Ser439 |
| **Predicted N Terminal** | Ala22 |
| **Form** | Supplied as a 0.2 μm filtered solution in Tris and NaCl. |
| **Bio-activity** | Measured by its ability to hydrolyze sphingomyelin to ceramide and phosphorylcholine. The phosphorylcholine is cleaved by Recombinant Human Alkaline Phosphatase/ALPL and the phosphate is detected/measured by a Malachite Green Phosphate Detection Kit.The specific activity is >14,000 pmol/min/μg, as measured under the described conditions. |
| **Molecular Mass** | Recombinant Human ENPP7, His-tagged has a calculated MW of 49 kDa. In SDS-PAGE migrates as 60-70 kDa, reducing conditions. |
| **Purity** | >95%, 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 |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

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| **Gene Name** | ENPP7 ectonucleotide pyrophosphatase/phosphodiesterase 7 [ Homo sapiens ] |
| **Official Symbol** | ENPP7 |
| **Synonyms** | ENPP7; ectonucleotide pyrophosphatase/phosphodiesterase 7; ectonucleotide pyrophosphatase/phosphodiesterase family member 7; alk SMase; NPP-7; E-NPP 7; alkaline sphingomyelinase; intestinal alkaline sphingomyelinase; alkaline sphingomyelin phosphodiesterase; ALK-SMase; MGC50179; |
| **Gene ID** | 339221 |
| **mRNA Refseq** | NM_178543 |
| **Protein Refseq** | NP_848638 |
| **MIM** | |
| **UniProt ID** | Q6UWV6 |
| **Chromosome Location** | 17q25.3 |

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