

## PPT1 Protein, Mouse (HEK293, His)

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| Cat. No.:         | HY-P700622   |
| Synonyms:         | Palmitoyl-protein thioesterase 1; PPT-1; Palmitoyl-protein hydrolase 1; PPT1 |
| Species:          | Mouse  |
| Source:           | HEK293   |
| Accession:        | O88531 (D28-K306)  |
| Gene ID:          | 19063  |
| Molecular Weight: | 33 kDa   |

### PROPERTIES

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|---------------------|--|
| AA Sequence         | <pre> D P P S P P P L V I   W H G M G D S C C N   P M S M G V I K K M   V E K E I P G I Y V L S L E I G K N M M   E D V E N S F F L N   V N V Q V N M V C Q   I L E K D P K L Q Q G Y N A I G F S Q G   G Q F L R A V A Q R   C P T P P M M T L I   S V G G Q H Q G V F G L P R C P G E S S   H I C D F I R K S L   N A G A Y S K L V Q   E R L V Q A Q Y W H D P I K E S V Y R N   Y S I F L A D I N Q   E R C V N E S Y K K   N L M A L K K F V M V K F F N D S I V D   P V D S E W F G F Y   R S G Q A K E T I P   L Q E S T L Y T E D R L G L K K M D K A   G K L V F L A K E G   D H L Q I S K E W F   T A H I I P F L K           </pre> |
| Biological Activity | The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.   |
| Appearance          | Lyophilized powder   |
| Formulation         | Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.   |
| Endotoxin Level     | <1 EU/µg, determined by LAL method.  |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.  |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.   |
| Shipping            | Room temperature in continental US; may vary elsewhere.  |

### DESCRIPTION

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| Background | PPT1 Protein, an enzyme involved in lysosomal degradation, plays a crucial role in removing thioester-linked fatty acyl groups, such as palmitate, from modified cysteine residues in proteins or peptides. It exhibits a preference for acyl chain lengths ranging from 14 to 18 carbons. |
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA