

Mast Cell Protease-1/MCPT-1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77078
Synonyms:	Mast cell protease 1; mMCP-1; Mcpt1
Species:	Mouse
Source:	HEK293
Accession:	P11034 (E19-K246)
Gene ID:	17224
Molecular Weight:	Approximately 30-32 kDa due to the glycosylation

PROPERTIES

AA Sequence	<pre> E E I I G G V E A R P H S R P Y M A H L K I I T D R G S E D R C G G F L I A P Q F V L T A A H C K G R E I T V T L G A H D V S K S E S T Q Q R I K V E K Q I I H K N Y N V S F N L Y D I M L L K L E E K A E L T P T V D V I P L P G P S D F I D P G K M C W T A G W G K T G E K E P T S E T L R E V E L R I M D K E A C K M Y K H Y D Y N F Q V C V G S S T K L K T A Y M G D S G G P L L C A G V A H G I V S Y G D S H G K P P A V F T R I S A Y V P W I K T V I N G K </pre>
Biological Activity	Measured by its ability to cleave Suc-Ala-Ala-Pro-Phe-AMC. The specific activity is 51.502 pmol/min/μg, as measured under the described conditions.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
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 ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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

Background	Mast Cell Protease-1 (MCPT-1) exhibits a chymotrypsin-like enzymatic activity.
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Caution: Product has not been fully validated for medical applications. For research use only.

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