

## Meprin alpha/MEP1A Protein, Human (HEK293, His)

Cat. No.:	HY-P77083
Synonyms:	Meprin A subunit alpha; Endopeptidase-2; PABA peptide hydrolase; PPH alpha
Species:	Human
Source:	HEK293
Accession:	Q16819 (V22-Q601)
Gene ID:	4224
Molecular Weight:	Approximately 80 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/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

Background	Meprin alpha (MEP1A) protein is predicted to exhibit metalloendopeptidase activity and is primarily located in the membrane. It is expressed in various structures, including the gut and metanephros. The expression of MEP1A is notably biased, with higher expression observed in the adult kidney and large intestine, suggesting potential roles in these tissues.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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