

Apolipoprotein M/APOM, Mouse (P.pastoris, His)

Cat. No.:	HY-P72297
Synonyms:	Apom; Ng20Apolipoprotein M; Apo-M
Species:	Mouse
Source:	P. pastoris
Accession:	Q9Z1R3 (M1-K190)
Gene ID:	55938
Molecular Weight:	Approximately 30.0 kDa

PROPERTIES

AA Sequence	<p>M F H Q V W A A L L S L Y G L L F N S M N Q C P E H S Q L T A L G M D D T E T P</p> <p>E P H L G L W Y F I A G A A S T T E E L A T F D P V D N I V F N M A A G S A P R</p> <p>Q L Q L R A T I R T K S G V C V P R K W T Y R L T E G K G N M E L R T E G R P D</p> <p>M K T D L F S S S C P G G I M L K E T G Q G Y Q R F L L Y N R S P H P P E K C V</p> <p>E E F Q S L T S C L D F K A F L V T P R N Q E A C P L S S K</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 3% Trehalose, pH 7.4.
Endotoxin Level	<1.0 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.
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	<p>Apolipoprotein M (APOM) is likely implicated in lipid transport, demonstrating the capacity to bind various molecules, including sphingosine-1-phosphate, myristic acid, palmitic acid, and stearic acid, as well as retinol, all-trans-retinoic acid, and 9-cis-retinoic acid. Through its interactions, APOM has been shown to engage with LRP2, whereby LRP2 facilitates the renal uptake of APOM, leading to subsequent lysosomal degradation. This suggests a role for APOM in mediating the dynamic processes of lipid and retinoid metabolism within the body.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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