ANGPTL2/Angiopoietin-like 2 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P75578
Synonyms:	Angiopoietin-related protein 2; ANGPTL2; ANGRP2; ARP2HARP; MGC8889
Species:	Mouse
Source:	HEK293
Accession:	Q9R045 (D245-H493)
Gene ID:	26360
Molecular Weight:	Approximately 58 kDa

PROPERTIES

AA Sequence	D Q N L K V L P P S L P T M P A L T S L P S S T D K P S G P W R D C L Q A L E D G H S T S S I Y L V K P E N T N R L M Q V W C D Q R H D P G G W T V I Q R R L D G S V N F F R N W E T Y K Q G F G N I D G E Y W L G L E N I Y W L T N Q G N Y K L L V T M E D W S G R K V F A E Y A S F R L E P E S E Y Y K L R L G R Y H G N A G D S F T W H N G K Q F T T L D R D H D V Y T G N C A H Y Q K G G W W Y N A C A H S N L N G V W Y R G G H Y R S R Y Q D G V Y W A E F R G G S Y S L K K V V M M I R P N P N T F H
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse ANGPTL2/Angiopoietin-like 2 at 1 μg/mL (100 μL/well) can bind Recombinant Human ILT-4. The ED50 for this effect is 517.3 ng/mL.
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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	ANGPTL2/Angiopoietin-like 2 protein exerts a crucial role in the induction of sprouting in endothelial cells, operating through both autocrine and paracrine mechanisms. The protein's ability to stimulate the outgrowth of new blood vessels

reflects its significance in orchestrating angiogenic processes. By promoting sprouting in endothelial cells, ANGPTL2 contributes to the dynamic regulation of vascular development, emphasizing its involvement in fundamental physiological and pathological contexts where angiogenesis plays a pivotal role. The autocrine and paracrine actions of ANGPTL2 underscore its versatile impact on endothelial cell behavior, positioning it as a key modulator in the intricate network of molecular signals governing angiogenesis.

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