

## ANGPTL2/Angiopoietin-like 2 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78380
Synonyms:	ARP2; HARP; angiopoietin-like 2; ANGPTL2; ANGRP2; MGC8889
Species:	Human
Source:	HEK293
Accession:	Q9UKU9 (T260-H493)
Gene ID:	23452
Molecular Weight:	31-35 kDa

### PROPERTIES

Biological Activity	Human LILRB2, hFc Tag captured on Protein A chip, can bind Human ANGPTL2, His Tag with an affinity constant of 0.15-0.22 $\mu$ M as determined in a SPR assay (Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 $\mu$ m filtered solution in PBS, 200 mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant 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	ANGPTL2/Angiopoietin-like 2 protein takes center stage as it exerts its influence on endothelial cells by inducing sprouting through a dual mechanism of autocrine and paracrine action. The protein's capacity to instigate sprouting underscores its pivotal role in angiogenic processes, where the intricate balance of signaling events governs the formation of new blood vessels. By operating both as an autocrine and paracrine factor, ANGPTL2 plays a crucial role in modulating endothelial cell behavior, contributing to the dynamic and coordinated responses essential for angiogenesis. This multifaceted action positions ANGPTL2 as a key player in the complex regulatory network that orchestrates vascular sprouting, highlighting its significance in the intricate processes of tissue vascularization.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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