

ANGPTL7/Angiopoietin-related 7 Protein, Canine (HEK293, His)

Cat. No.:	HY-P75507
Synonyms:	Angiopoietin-like factor; ANGPTL7; AngX; CDT6
Species:	Canine
Source:	HEK293
Accession:	E2R2G1 (Q27-P344)
Gene ID:	608972
Molecular Weight:	Approximately 37 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm 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/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	ANGPTL7/ angiopoietin-related proteins play a crucial role in the formation and organization of the extracellular matrix. Studies have shown that, particularly in the eye, it acts as a medium for dexamethasone-induced matrix deposition in the trabecular network, the tissue necessary for the outflow of aqueous humor from the eye and maintenance of intraocular pressure. In addition, ANGPTL7 is a negative regulator of corneal angiogenesis and plays an important role in maintaining the patency and transparency of corneal blood vessels. ANGPTL7 is regulated by SP1 transcription and regulates ANGPTL7 levels through the RhoA/ROCK signaling pathway mediating CLAN formation ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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