

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

Cat. No.:	HY-P700955
Synonyms:	angiopoietin-like 7; Angiopoietin-like factor; ANGPTL7; AngX; CDT6
Species:	Human
Source:	HEK293
Accession:	O43827 (Q27-P346)
Gene ID:	10218
Molecular Weight:	35-40 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The ANGPTL7/Angiopoietin-related 7 protein assumes a crucial role in the formation and organization of the extracellular matrix. Particularly in the eye, it acts as a mediator of dexamethasone-induced matrix deposition within the trabecular meshwork, a tissue essential for the outflow of ocular aqueous humor and the maintenance of intraocular pressure. Additionally, ANGPTL7 serves as a negative regulator of angiogenesis in the cornea, playing a significant role in preserving corneal avascularity and transparency, as suggested by research findings. Structurally, it forms a homotetramer through disulfide linkages, further emphasizing its role in maintaining the structural integrity of the extracellular matrix in ocular tissues.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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