

## ANGPTL7/Angiopoietin-related 7 Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P75506
Synonyms:	Angiopoietin like 7; ANGPTL7; CDT6
Species:	Rhesus Macaque
Source:	HEK293
Accession:	F7HQR6 (Q27-P344)
Gene ID:	714204
Molecular Weight:	Approximately 38.2 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m 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/ $\mu$ 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	<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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