

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **HUMAN ANGPTL7 PROTEIN, HIS TAG**

Cat.#: 11885

Product Name: Human ANGPTL7 Protein

**Size:** 10 μg, 50 μg and 100 μg

Synonyms: AngX;CDT6;dJ647M16.1

Target: ANGPTL7

**UNIPROT ID:**  043827

**Description:** Recombinant Human ANGPTL7 Protein with C-terminal 6xHis

tag

**Background:** Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance of intraocular pressure (PubMed:21199193). Is a negative regulator of angiogenesis in the cornea, and plays a major role in maintaining corneal avascularity and transparency (PubMed:25622036).[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 37.9 kDa after removal of the signal peptide. The apparent molecular mass of ANGPTL7-His is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: ANGPTL7(Gln27-Pro346) 6×His tag

**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



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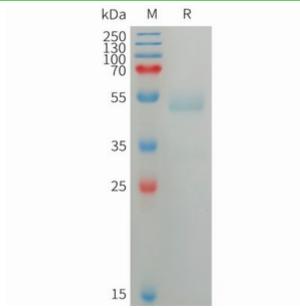


Figure 1. Human ANGPTL7 Protein, His Tag on SDS-PAGE under reducing condition.