

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:** O43827**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.



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