Recombinant Human Angiopoietin-like 7/ANGPTL7 (27-346) Protein

Catalog No.: RP00206

Sequence Information

Species	Gene ID
Human	10218
Swiss Prot	**Tags**
O43827	C-His

Synonyms
ANGPTL7,AngX,CDT6,dJ647M16.1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
37.90 kDa	35-45,45-60kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Angiopoietin-like 7 (ANGPTL7), also known as Corneal-Derived Transcript 6 (CDT6), is a secreted glycoprotein that is structurally related to the angiopoietins. ANGPTL7 is expressed in the corneal stroma, trabecular meshwork, and sclera and is elevated in glaucoma aqueous humor. Its production is up regulated in trabecular meshwork cells by glucocorticoids and TGF-beta and in cartilage by TNF-alpha. Overexpression of ANGPTL7 in trabecular meshwork cells inhibits the production of collagen and proteoglycans . When overexpressed in tumor cells it promotes collagen and proteoglycan deposition but inhibits tumor xenograft progression and tumor angiogenesis.

Basic Information

Description
Recombinant Human Angiopoietin-like 7/ANGPTL7(27-346) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln27-Pro346) of human Angiopoietin-like 7 (Accession #NP_066969.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human ANGPTL7 at 5 μg/mL (100 μL/well) can bind Recombinant Human LILRB4 with a linear range of 0.5-3.5 μg/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

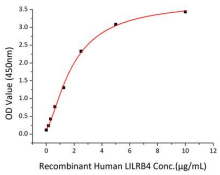
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

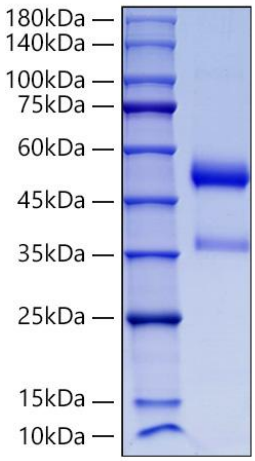
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Recombinant Human ANGPTL7 at 5μg/mL (100 μL/well) can bind Recombinant Human LILRB4 with a linear range of 0.5-3.5 μg/mL.



Recombinant Human Angiopoietin-like 7/ANGPTL7(27-346) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.