



Datasheet for ABIN5954950

ANGPTL7 Protein (AA 27-346) (Fc Tag,AVI tag,Biotin)



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2 Images

Overview

Quantity:	200 µg
Target:	ANGPTL7
Protein Characteristics:	AA 27-346
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ANGPTL7 protein is labelled with Fc Tag,AVI tag,Biotin.

Product Details

Sequence:	AA 27-346
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ANGPTL7
Alternative Name:	ANGPTL7 (ANGPTL7 Products)
Background:	Angiotensin-like 7 (ANGPTL7) is also known as Corneal-Derived Transcript 6 (CDT6), and is a

Target Details

secreted glycoprotein that is structurally related to the angiopoietins. It is expressed in the corneal stroma, trabecular meshwork, and sclera and is elevated in glaucoma aqueous humor. Recently, ANGPTL proteins, including ANGPTL-2, -3, -4, -5 and -7, are identified as growth factors in combination with SCF, Thrombopoietin, IGF-II and FGF acidic that enhance the expansion and engraftment of human and mouse hematopoietic stem cells.

Molecular Weight: 65.8 kDa

NCBI Accession: [NP_066969](#)

Application Details

Comment: Ready-to-use AvitagTM biotinylated protein:
The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

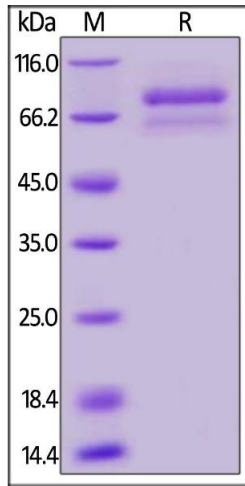
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

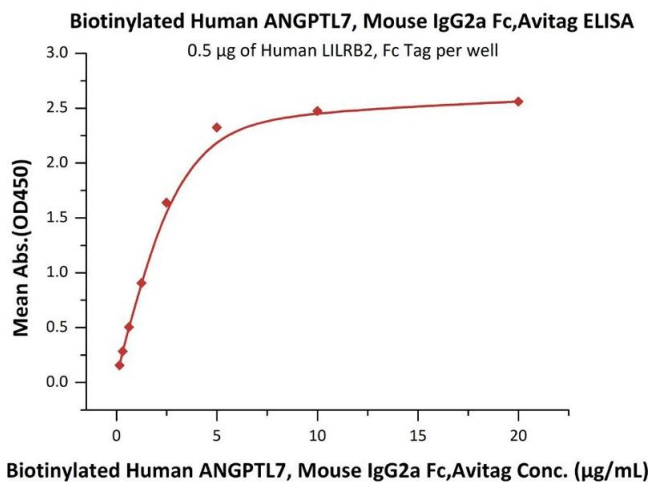
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



SDS-PAGE

Image 1. Biotinylated Human ANGPTL7, Mouse IgG2a Fc,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

Image 2. Immobilized Human LILRB2, Fc Tag (ABIN5526660,ABIN5526661) at 5 µg/mL (100 µL/well) can bind Biotinylated Human ANGPTL7, Mouse IgG2a Fc,Avitag (ABIN5954950,ABIN6253625) with a linear range of 0.156-2.5 µg/mL (QC tested).