

Active Recombinant Human ANGPTL7 Protein, mIgG2aFc-Avi-tagged, Biotinylated

Cat. No. ANGPTL7-162H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Human ANGPTL7, Mouse IgG2a Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Gln 27 - Pro 346 (Accession # O43827-1). This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag.
Species	Human
Source	HEK293
ProteinLength	27-346 a.a.
Predicted N Terminal	Gln 27
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human LILRB4, Fc Tag at 1 ug/mL (100 uL/well) can bind Biotinylated Human ANGPTL7, Mouse IgG2a Fc Tag, Avi Tag with a linear range of 0.078-2.5 ug/mL. Immobilized Human LILRB2, Fc Tag at 1 ug/mL (100 uL/well) can bind Biotinylated Human ANGPTL7, Mouse IgG2a Fc Tag, Avi Tag with a linear range of 0.078-1.25 ug/mL. Immobilized Human LILRA3, Fc Tag at 1 ug/mL (100 uL/well) can bind Biotinylated Human ANGPTL7, Mouse IgG2a Fc Tag, Avi Tag with a linear range of 0.078-5 ug/mL. Immobilized Human LILRB5, His Tag at 5 ug/mL (100 uL/well) can bind Biotinylated Human ANGPTL7, Mouse IgG2a Fc Tag, Avi Tag with a linear range of 20-625 ug/mL.

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Molecular Mass	The protein has a calculated MW of 66.5 kDa. The protein migrates as 66 kDa and 75-95 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	ANGPTL7 angiopoietin-like 7 [Homo sapiens]
Official Symbol	ANGPTL7
Synonyms	ANGPTL7; angiopoietin-like 7; angiopoietin-related protein 7; AngX; CDT6; angiopoietin-like protein 7; angiopoietin-like factor (CDT6); cornea-derived transcript 6 protein; dJ647M16.1; RP4-647M16.2;

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Gene ID	10218
mRNA Refseq	NM_021146
Protein Refseq	NP_066969
UniProt ID	O43827

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