

Active Recombinant Human ANGPTL8 Protein, His-tagged

Cat. No. ANGPTL8-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Angiopoietin-like Protein 8/Betatrophin (Ala22-Ala198) and Human Fractalkine mucin-like stalk (Phe103-Thr338) with 6-His tag at C-terminus was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	22-198
Description	Predicted to enable hormone activity. Involved in regulation of lipid metabolic process and triglyceride homeostasis. Acts upstream of or within positive regulation of protein processing and regulation of lipoprotein metabolic process. Located in extracellular region.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Angiopoietin-like Protein 3/ANGPTL3 is immobilized at 1 µg/mL (100 µL/well), the concentration of Recombinant Human Angiopoietin-like Protein 8/Betatrophin that produces 50% of the optimal binding response is 0.15-1.2 µg/mL.
Molecular Mass	Predicted Molecular Mass: 45 kDa SDS-PAGE: 70-93 kDa, under reducing conditions
N-terminal Sequence Analysis	Ala22

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Endotoxin	<0.10 EU/μg of the protein by the LAL method.
Purity	>85%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS, NaCl and CHAPS with Trehalose.
Reconstitution	Reconstitute at 400 μg/mL in water.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	ANGPTL8 angiopoietin like 8 [Homo sapiens (human)]
Official Symbol	ANGPTL8
Synonyms	ANGPTL8; angiopoietin like 8; RIFL; TD26; PRO1185; PVPA599; C19orf80; angiopoietin-like protein 8; hepatocellular carcinoma-associated gene TD26; hepatocellular carcinoma-associated protein TD26; lipasin; refeeding-induced fat and liver protein
Gene ID	55908
mRNA Refseq	NM_018687

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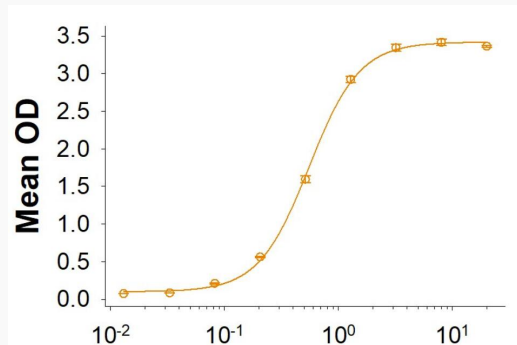
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Protein Refseq NP_061157

MIM 616223

UniProt ID Q6UXH0

Binding Activity



When Recombinant Human Angiopoietin-like Protein 3/ANGPTL3 is immobilized at 1 µg/mL (100 µL/well), Recombinant Human ANGPTL8/Betatrophin binds with an ED50 of 0.15-1.2 µg/mL.

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