

Active Recombinant Mouse Angptl3 Protein, N-HA-tagged

Cat. No. Angptl3-174M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Angiopoietin-like Protein 3 (Ser17-Thr455) with a Hemagglutinin Tag (YPYDVPDYA) at N-terminus was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
ProteinLength	17-455 a.a.
Description	This gene encodes a member of the angiopoietin-like family of proteins. The encoded preproprotein is proteolytically processed to generate multiple protein products, which may inhibit triglyceride metabolism. Homozygous knockout mice for this gene exhibit reduced plasma lipid concentrations, including reduced plasma triglyceride concentrations, and enhanced activity of enzymes involved in triglyceride metabolism.
Form	Lyophilized
Bio-activity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Molecular Mass	Predicted Molecular Mass: 52 kDa SDS-PAGE: 59-71 kDa and 33-38 kDa, reducing conditions
N-terminal Sequence Analysis	Tyr

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Endotoxin	<0.10 EU/μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 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 with polar packs.

GENE INFORMATION

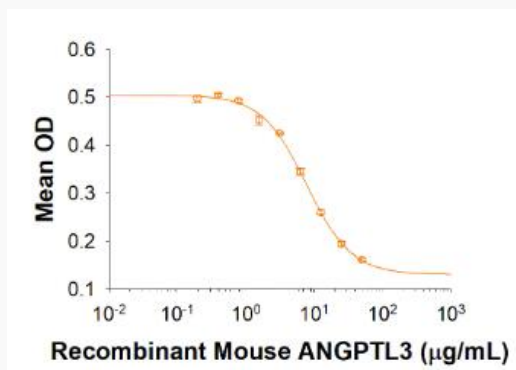
Gene Name	Angptl3 angiopoietin-like 3 [Mus musculus (house mouse)]
Official Symbol	Angptl3
Synonyms	Angptl3; angiopoietin-like 3; hypl; angiopoietin-related protein 3; angiopoietin-like protein 3
Gene ID	30924
mRNA Refseq	NM_013913
Protein Refseq	NP_038941
UniProt ID	Q9R182

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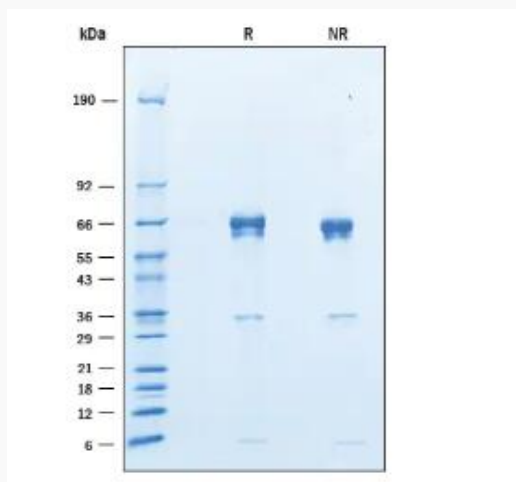
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Bioactivity



Recombinant Mouse ANGPTL3 dose dependently inhibits Recombinant Human LPL activity with an IC₅₀ of 2-10 µg/mL.

SDS-PAGE



2 µg/lane of Recombinant Mouse Angiopoietin-like Protein 3 was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie Blue staining, showing bands at 59-71 kDa and 33-38 kDa.