Data Sheet (Cat.No.TMPY-05451)

TargetMol

ANGPTL3 Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms: angiopoietin-like 3

Protein Construction: Ser17-Glu460

Species: Cynomolgus

Expression Host: HEK293 Cells

Accession: A0A2K5UDC5

Molecular Weight: 52.86 kDa (Predicted); 60-70 kDa (Reducing conditions due to glycosylation)

QC Testing

Biological Activity: Immobilized Cynomolgus ANGPTL3, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-ANGPTL3 Antibody, hFc Tag with the EC50 of 10.1ng/ml determined by ELISA.

Purity: > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

ANGPTL3 is a secreted glycoprotein that is structurally related to the angiopoietins. Mature human ANGPTL3 contains an N-terminal coiled coil domain and a C-terminal fibrinogen-like domain. ANGPTL3 is expressed in the liver from early in development through adulthood. Acts in part as a hepatokine that is involved in regulation of lipid and glucose metabolism. Proposed to play a role in the trafficking of energy substrates to either storage or

oxidative tissues in response to food intake.

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