

RPES8455

Product Information

Product SKU: RPES8455	Expression Host: Mammalian	Size: 20µg
Tag: C-Fc	Reactivity: Mouse	Accession: Q9Z1P8-1

Additional Information

Calculated MW: 49.4 kDa	Observed MW: 60 kDa
Sequence: Arg168-Ser410	

Protein Information

Background: ANGPTL4, also known as ANGPTL2, is a protein with hypoxia-induced expression in endothelial cells. It contains 1 fibrinogen C-terminal domain and is expressed at high levels in the placenta, heart, liver, muscle, pancreas and lung but expressed poorly in the brain and kidney. ANGPTL4 inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. It may act as a regulator of angiogenesis and modulate tumorigenesis. It inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. It may also exert a protective function on endothelial cells through an endocrine action. ANGPTL4 is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity. In response to hypoxia, the unprocessed form of the protein accumulates in the subendothelial extracellular matrix (ECM). The matrix-associated and immobilized unprocessed form limits the formation of actin stress fibers and focal contacts in the adhering endothelial cells and inhibits their adhesion. It also decreases motility of endothelial cells and inhibits the sprouting and tube formation.

Synonyms: Angiopoietin like 4, Angiopoietin related protein 4, Angiopoietin-like protein 4, Angiopoietin-related protein 4, ANGL4, ANGPT L2, ANGPT L4, ANGPTL2, Angptl4, ARP4, Fasting induced adipose factor, FIAF, HARP, Hepatic angiopoietin related protein, Hepatic fibrinogen/angiopoietin related protein, Hepatic fibrinogen/angiopoietin-related protein, HFARP, NL2, Peroxisome proliferator-

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activated receptor (PPAR) gamma induced angiopoietin related protein, PGAR, pp1158, PPARG angiopoietin related protein, PSEC0166, TGQTL, UNQ171, Weakly similar to angiopoietin 1 [H.sapiens]

- Endotoxin:** < 1.0 EU/mg of the protein as determined by the LAL method
- Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
- Purity:** > 90% as determined by reducing SDS-PAGE.
- Bio-Activity:** Not validated for activity
- Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.