ProSci

prosci-inc.com

HIGH PERFORMANCE ANTIBODIES ... AND MORE

ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

Angiopoietin Like protein 4 Recombinant Protein

Cat. No.: 91-603

Angiopoietin Like protein 4 Recombinant Protein

Specifications

SPECIES:	Mouse
SOURCE SPECIES:	Human Cells
SEQUENCE:	Lys167-Ser410
FUSION TAG:	C-Fc tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.
PREDICTED MOLECULAR WEIGHT:	54.6 kD

Properties

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PHYSICAL STATE:	Liquid
BUFFER:	Supplied as a 0.2 um filtered solution of PBS,pH7.4. It is not recommended to reconstitute to a concentration less than 100 ug/ml.

STORAGE CONDITIONS:	Store at -20˚C, stable for 6 months after receipt. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	Angptl4
ALTERNATE NAMES:	Angiopoietin-related protein 4, 425O18-1, Angiopoietin-like protein 4, Fasting-induced adipose factor, Hepatic fibrinogen/angiopoietin-related protein, HFARP, Secreted protein Bk89, Angptl4, Farp, Fiaf, Ng27
ACCESSION NO.:	Q9Z1P8
GENE ID:	57875

Background and References

BACKGROUND:	Angiopoietin-related protein 4（ANGPTL4）is a secreted protein and contains 1 fibrinogen C-terminal domain. The protein may act as a regulator of angiogenesis and modulate tumorigenesis. It inhibits proliferation, migration, and tubule formation of endothelial cells and reduces vascular leakage. ANGPTL4 may exert a protective function on endothelial cells through an endocrine action. It is directly involved in regulating glucose homeostasis, lipid metabolism, and insulin sensitivity (By similarity). 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.