

Adipophilin, Human, Recombinant

CATALOG NO.:	4597-10	10 µg
	4597-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE analysis	
MOL. WEIGHT:	49 kDa	
FORM:	Lyophilized from 0.5 mg/ml solution containing 20mM Tris pH 7.5, and 20 mM NaCl,	
ALTERNATE NAMES:	Adipose differentiation-related protein, ADRP, ADFP, MGC10598.	

RECONSTITUTION:

Add de-ionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

STORAGE CONDITIONS:

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

DESCRIPTION:

Adipophilin is a 49 kDa protein that belongs to the PAT family (perilipin, adipophilin, TIP47, S3-12 and OXPAT), which comprises proteins involved in the coating of lipid droplets. ADFP is expressed in lipid droplets of vitamin A-storing hepatic stellate cells and additionally in lipid droplets of steatotic hepatocytes. ADFP expression has a role in clear cell renal carcinoma differentiation. Most recently, it has been discovered that patients with kidney cancers had high levels of ADFP in their urine, suggesting that ADFP could be an excellent marker for kidney cancer.

REFERENCE: Morissey, J.J. *et al.* (2010). *Mayo Clinic Proceedings* **85**, May 2010.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**

RELATED PRODUCTS:

Perilipin Antibody (**Cat. No. 3543-100**)