9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ADFP Human

Adipose Differentiation-Related Protein Human Recombinant
RCP0015

Product Overview

Name	ADFP Human

Description

Adipose Differentiation-Related Protein Human Recombinant

Accession (Primary)	Q99541

Synonyms

Adipophilin, Adipose differentiation-related protein, ADRP, ADFP, MGC10598.

Introduction

ADFP is related with the globule surface membrane material. ADFP is a major constituent of the globule surface. Rise in mRNA levels is one of the initial indications of adipocyte differentiation. Mycobacterium leprae regulates ADFP expression to facilitate the accumulation of lipids within infected macrophages for intracellular survival. 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. ADFP is a component of the lipid droplets in THP-1 cells.

Source

Escherichia Coli.

Formulation

Human ADFP was lyophilized from 0.5mg/ml solution containing 20mM Tris pH-7.5, and 20mM NaCl.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95% as determined by SDS PAGE.

Amino acid sequence

MKHHHHHH AS VAVDPQPSVV TRVVNLPLVS STYDLMSSAY LSTKDQYPYL KSVCEMAENG VKTITSVAMT SALPIIQKLE PQIAVANTYA CKGLDRIEER LPILNQPSTQ IVANAKGAVT GAKDAVTTTV TGAKDSVAST ITGVMDKTKG AVTGSVEKTK SVVSGSINTV LGSRMMQLVS SGVENALTKS ELLVEQYLPL TEEELEKEAK KVEGFDLVQK PSYYVRLGSL STKLHSRAYQ QALSRVKEAK QKSQQTISQL HSTVHLIEFA RKNVYSANQK

IQDAQDKLYL SWVEWKRSIG YDDTDESHCA EHIESRTLAI ARNLTQQLQT TCHTLLSNIQ GVPQNIQDQA KHMGVMAGDI YSVFRNAASF KEVSDSLLTS SKGQLQKMKE SLDDVMDYLV NNTPLNWLVG PFYPQLTESQ NAQDQGAEMD KSSQETQRSEHKTH.

Solubility

Add deionized water to prepare a working stock solution of approximately 0.5mg/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.

Precautions

ADFP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99541)