

PLIN2, 1-437aa, Human, T7 tag, E.coli

Cat.NO.: TP03437

3th Edition

Synonyms: adipose differentiation-related protein , ADFP, ADRP, MGC10598

Description: PLIN2 belongs to the perilipin family, members of which coat intracellular lipid storage droplets. This protein is associated with the lipid globule surface membrane material, and maybe involved in development and maintenance of adipose tissue. However, it is not restricted to adipocytes as previously thought, but is found in a wide range of cultured cell lines, including fibroblasts, endothelial and epithelial cells, and tissues, such as lactating mammary gland, adrenal cortex, Sertoli and Leydig cells, and hepatocytes in alcoholic liver cirrhosis, suggesting that it may serve as a marker of lipid accumulation in diverse cell types and diseases. Recombinant human PLIN2, fused to T7-tag at N-terminus, was expressed in E.coli.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight: 49.3kDa (450aa)

Sequences:

MASMTGGQQMGRGSMASVAVDPQPSVTRVVNLPLVSSTYDLMSAYLSTKDQYPYLKSVCEMAENGVKTITSV
AMTSALPIIQKLEPQIAVANTYACKGLDRIEERLPILNQPSTQIVANAKGAVTGAKDAVTTTTVTGAKDSVASTITGVMD
KTKGAVTGSVEKTKSVVSGSINTVLGSRMMQLVSSGVENALTKSELLVEQYLPLTEEELEKEAKKVEGFDLVQKPS
YYVRLGSLSTKLHSRAYQQALSRVKEAKQKSQQTISQLHSTVHLIEFARKNVYSANQKIQDAQDKLYLSWVEWKRSI
GYDDTDESHCAEHIESRTLAIARNLTQQLQTTCHTLLSNIQGVQPNIQDQAKHMGVMAGDIYSVFRNAASFKEVSDS
LLTSSKGQLQKMKESLDDVMDYLDNTPLNWLVGPFYPQLTESQNAQDQGAEMDKSSQETQRSEHKTH

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.