

Recombinant Human Perilipin 2, His-tagged

Cat. No. PLIN2-904H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Perilipin 2 encoding the human adipose related protein (Met ¹ -His ⁴³⁷) was recombined with his tag at the N-Terminus. That was expressed in <i>E. Coli</i> , and purified by Ni-NTA column. MW=48.1KDa.
Species	Human
Source	E.coli
ProteinLength	1-437 a.a.
Description	Adipocyte differentiation-related protein is associated with the globule surface membrane material. This protein is a major constituent of the globule surface. Increase in mRNA levels is one of the earliest indications of adipocyte differentiation.
Sequence	Human adipose differentiation related protein (Met ¹ -His ⁴³⁷) 1MASVAVDPQP SVVTR VVNLP LVSSTYDLMS SAYLSTKDQY PYLKSVCEMA ENGVTITSV AMTSALPIIQ K LEPQIAVAN TYACKGLDRI EERLPILNQP STQIVANAKG AVTGAKDAVT TTVTGA DSV ASTITGVMDK TKGAVTGSVE KTKSVVSGSI NTVLGSRMMQ LVSSGVENAL T KSELLVEQY LPLTEEELEK EAKKVEGFDL VQKPSYYVRL GSLSTKLHSR AYQQAL SRVK EAKQKSQQT I SQLHSTVHLI EFARKNVYSA NQKIQDAQDK LYLSWVEWKR SIGYDDTDES HCAEHIESRT LAIARNLTQQ LQTTCHTLLS NIQGV PQNIQ DQAKHM GVMA GDIYSVFRNA ASFKEVSDSL LTSSKGQLQK MKESLDDVMD YLVNNTPLNW LVGPFYPQLT ESQNAQDQGA EMDKSSQETQ RSEHKTH 437.
Purity	>95% in SDS gel.

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Formulation	Lyophilized 100 µg human Perilipin 2 in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
Application	Cell biology, ELISA.
Reconstitution	Add 500 µl deionized water to the vial to prepare a working stock solution at 200µg/mL. Allow to set at least 30 minutes at 4°C, mix well.
Storage	Store lyophilized protein at -20°C or -70°C. Lyophilized protein is stable for up to 6 months from date of receipt at -70°C. Upon reconstitution, this protein can be stored at for a few weeks or at -70°C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

GENE INFORMATION

Gene Name	PLIN2 perilipin 2 [Homo sapiens]
Synonyms	ADFP; ADRP; PLIN2; adipose differentiation-related protein; adipophilin; MGC10598; Adipose differentiation-related protein; Adipophilin; Perilipin 2
Gene ID	123
mRNA Refseq	NM_001122
Protein Refseq	NP_001113
MIM	103195
UniProt ID	Q99541
Chromosome	9p22.1

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Location	
Pathway	Metabolism of lipids and lipoproteins
Function	protein binding

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