

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 (Met¹-His⁴³⁷) was recombined with his tag at the N-Terminus. That was expressed in *E. Coli*, 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 (Met¹-His⁴³⁷)
 1MASVAVDPQP SVVTR
 VVNLP LVSSTYDLMS SAYLSTKDQY PYLKSVCEMA ENGVKTITSV AMTSALPIIQ K
 LEPQIAVAN TYACKGLDRI EERLPILNQP STQIVANAKG AVTGAKDAVT TTVTGA
 K DSV ASTITGVMDK TKGAVTGSVE KTKSVVSGSI NTVLGSRMMQ LVSSGVENAL T
 KSELLVEQY LPLTEEELEK EAKKVEGFDL VQKPSYYVRL GSLSTKLHSR AYQQAL
 SRVK EAKQKSQQT 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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