

Adipose Differentiation-Related Recombinant Protein | ADFP recombinant protein

Recombinant Human Adipose Differentiation-Related Protein

CATALOG # AAA38478	HOST E Coli
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PRODUCT SYNONYMS

Adipose Differentiation-Related; Recombinant Human Adipose Differentiation-Related Protein; ADFP Human; Adipose Differentiation-Related Protein Human Recombinant; Adipophilin; Adipose differentiation-related protein; ADRP; ADFP; MGC10598; ADFP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS PAGE.
Form/Format	Human ADFP was lyophilized from 0.5mg/ml solution containing 20mM Tris pH-7.5, and 20mM NaCl.
Sequence	MKHHHHHHAS VAVDPQ PSVVTRVNL PLVSSTYDLM SSAYLSTKDQ YPYLKSVCEM AENGVKTITS VAMTSALPII QKLEPQIAVA NTYACKGLDR IEERLPILNQ PSTQIVANAK GAVTGAKDAV TTTVTGAKDS VASTITGVMD KTKGAVTGSV ETKSVVSGS INTVLGSRMM QLVSSGVENA LTKSELLVEQ YLPLTEEELE KEAKKVEGFD LVQKPSYYVR LGSLSSTKLHS RAYQQALSRV KEAKQKSQQT ISQLHSTVHL IEFARKNVYS ANQKIQDAQD KLYLSWVEWK RSIGYDDTDE SHCAEHIESR TLAIARNLTQ QLQTTCHTLL SNIQGV PQNI QDQAKHMGVM AGDIYSVFRN AASFKEVSDS LLTSSKGQLQ KMKESLDDVM DYLVNNTPLN WLVGPFYPQL TESQNAQDQG AEMDKSSQET QRSEHKTH
Sequence Length	437
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.
Preparation and Storage	Store lyophilized protein at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for ADFP recombinant protein	Description: ADFP Human Recombinant produced in E Coli is a single, non-glycosylated, Polypeptide chain containing 444 amino acids and having a molecular mass of 49 kDa. The protein contains an extra 8 amino acid His tag at N-terminus. The ADFP amino acid sequence is identical to UniProtKB/Swiss-Prot entry Q99541 amino acids 4437. The ADFP is purified by proprietary chromatographic techniques. 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.
Product Categories/Family for ADFP recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	34577059
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NCBI GeneID	123
NCBI Accession #	NP_001113.2
NCBI GenBank Nucleotide #	NM_001122.3
UniProt Accession #	Q99541; Q9BSC3
Molecular Weight	48,075 Da
NCBI Official Full Name	perilipin-2
NCBI Official Synonym Full Names	perilipin 2
NCBI Official Symbol	PLIN2
NCBI Official Synonym Symbols	ADFP; ADRP
NCBI Protein Information	perilipin-2; adipophilin; adipose differentiation-related protein
UniProt Protein Name	Perilipin-2
UniProt Gene Name	PLIN2
UniProt Synonym Gene Names	ADFP; ADRP
UniProt Entry Name	PLIN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/plin2-recombinant-protein-e-coli/38478>