



Adipophilin Human E. coli

Product Data Sheet

Type: Recombinant

Source: E. coli

Species: Human

Other names: Perilipin-2, Adipose differentiation-related protein, ADRP, PLIN2, ADFP

Cat. No.:

RD172161100 (0.1 mg)

Description

Total 444 AA. MW: 49,03 kDa (calculated). N-Terminal His-tag, 8 extra AA (highlighted).

Research topic

Energy metabolism and body weight regulation

Amino Acid Sequence

MKHHHHHHAS VAVDPQPSVV TRVVNLPLVS STYDLMSSAY LSTKDQYPYL KSVCEMAENG VKTITSVAMT SALPIIQKLE
PQIAVANTYA CKGLDRIEER LPILNQBSTQ IVANAKGAVT GAKDAVTTTV TGAKDSVAST ITGVMDKTKG AVTGSVEKTK
SVVSGSINTV LGSRRMQLVS SGVENALTKS ELLVEQYLPL TEELEKEAK KVEGFDLVQK PSYYVRLGSL STKLHSRAYQ
QALSRVKEAK QKSQQTISQL HSTVHLIEFA RKNVYSANQK IQDAQDKLYL SWVEWKRSIG YDDTDESHCA EHIESRTLAI
ARNLTQQLQT TCHTLLSNIQ GVPQNIQDQA KHMGMAGDI YSVFRNAASF KEVSDSLLTS SKGQLQKMKE SLDDVMDYLV
NNTPLNLVVG PFYPQLTESQ NAQDQGAEMD KSSQETQRSE HKTH

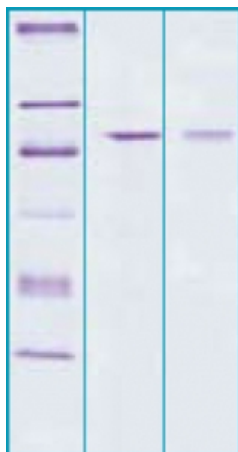
Source

E. coli

Purity

>95%

SDS-PAGE gel



12% SDS-PAGE separation of Human Adipophilin

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. reduced and heated sample, 5µg / lane

3. non-reduced and non-heated sample, 5µg / lane

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5

Reconstitution

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

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

Quality Control Test

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Applications

Western blotting

Note

This product is intended for research use only.

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