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). UniProtKB acc.no. Q99541. 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 LPILNQPSTQ IVANAKGAVT GAKDAVTTTV TGAKDSVAST ITGVMDKTKG AVTGSVEKTK
SVVSGSINTV LGSRMMQLVS SGVENALTKS ELLVEQYLPL TEEELEKEAK KVEGFDLVQK PSYYVRLGSL STKLHSRAYQ
QALSRVKEAK QKSQQTISQL HSTVHLIEFA RKNVYSANQK IQDAQDKLYL SWVEWKRSIG YDDTDESHCA EHIESRTLAI
ARNLTQQLQT TCHTLLSNIQ GVPQNIQDQA KHMGVMAGDI YSVFRNAASF KEVSDSLLTS SKGQLQKMKE SLDDVMDYLV
NNTPLNWLVG PFYPQLTESQ NAQDQGAEMD KSSQETQRSE HKTH
```

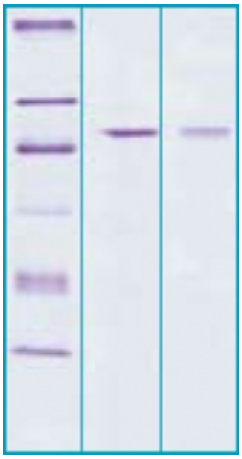
Source

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. Filter sterilize your culture media/working solutions containing this non-sterile product before using in 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.

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: Web:	info@biovendor.com sales@biovendor.com www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail:	infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail:	infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail:	infoUSA@biovendor.com