Aminoacylase-1 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: ACY-1, N-acyl-L-amino-acid amidohydrolase, ACY1

Cat. No.:
RD172406100 (0.1 mg)

Description

Total 416 AA. MW: 47.0 kDa (calculated). UniProtKB acc.no. Q03154 (Met1-Ser408). C-terminal His-tag (8 extra AA). Protein identity confirmed by LC-MS/MS.

Research topic

Cardiovascular disease

Amino Acid Sequence

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MTSKGPEEEH PSVTLFRQYL RIRTVQPKPD YGAAVAFFEE TARQLGLGCQ KVEVAPGYVV TVLTWPGTNP TLSSILLNSH
TDVVPVFKEH WSHDPFEAFK DSEGYIYARG AQDMKCVSIQ YLEAVRRLKV EGHRFPRTIH MTFVPDEEVG GHQGMELFVQ
RPEFHALRAG FALDEGIANP TDAFTVFYSE RSPWWVRVTS TGRPGHASRF MEDTAAEKLH KVVNSILAFR EKEWQRLQSN
PHLKEGSVTS VNLTKLEGGV AYNVIPATMS ASFDFRVAPD VDFKAFEEQL QSWCQAAGEG VTLEFAQKWM HPQVTPTDDS
NPWWAAFSRV CKDMNLTLEP EIMPAATDNR YIRAVGVPAL GFSPMNRTPV LLHDHDERLH EAVFLRGVDI YTRLLPALAS
VPALPSDSLE HHHHHH
```

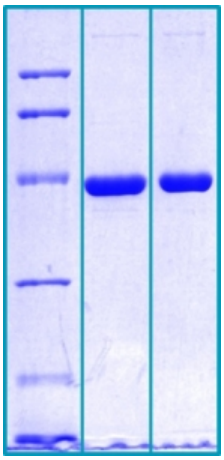
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95%

SDS-PAGE gel



14 % SDS-PAGE separation of Human Aminoacylase-1:

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

2. reduced and boiled sample, 2.5 µg/lane

3. non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized in phosphate buffered saline, pH 7.5.

Reconstitution

Add 200 µl of 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 the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °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 week.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

ELISA, 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