Vanin-1 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Pantetheinase, Pantetheine hydrolase, Tiff66, Vascular non-inflammatory molecule 1

Cat. No.:
RD172307100 (0.1 mg)

Description

Total 480 AA. MW: 53.5 kDa (calculated). UniProtKB acc.no. O95497 (Gln22-Gly491). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS QDTFTAAVYE HAAILPNATL TPVSREEALA LMNRNLDILE GAITSAADQG AHIIVTPEDA IYGWNFNRDS
LYPYLEDIPD PEVNWIPCNN RNRFGQTPVQ ERLSCLAKNN SIYVVANIGD KKPCDTSDPQ CPPDGRYQYN TDVVFDSQGK
LVARYHKQNL FMGENQFNVP KEPEIVTFNT TFGSFGIFTC FDILFHDPAV TLVKDFHVDT IVFPTAWMNV LPHLSAVEFH
SAWAMGMRVN FLASNIHYPS KKMTGSGIYA PNSSRAFHYD MKTEEGKLLL SQLDSHPSHS AVVNWTSYAS SIEALSSGNK
EFKGTVFFDE FTFVKLTGVA GNYTVCQKDL CCHLSYKMSE NIPNEVYALG AFDGLHTVEG RYYLQICTLL KCKTTNLNTC
GDSAETASTR FEMFSLSGTF GTQYVFPEVL LSENQLAPGE FQVSTDGRLF SLKPTSGPVL TVTLFGRLYE KDWASNASSG
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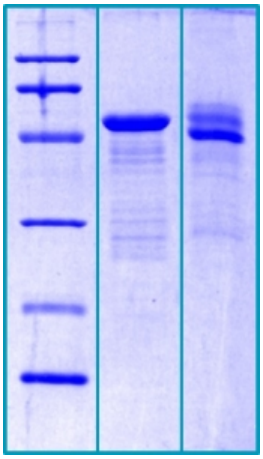
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



14 % SDS-PAGE separation of Human Vanin-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 from 0.5 mg/mL solution in 20 mM Tris buffer, 50 mM NaCl, 0,1% amisoft CS-22, 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.

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