Procalcitonin Canine E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Canine
Other names: PCT

Cat. No.:
RD472006100 (0.1 mg)

Description

Total 115 AA. MW: 12.7 kDa (calculated). UniProtKB acc.no. P41547 (Ala26-Arg130). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Research topic

Immune Response, Infection and Inflammation, Sepsis

Amino Acid Sequence

MKHHHHHHAS APFRSALEGL PDPTALSEKE GRLLLAALVK AYVQRKNELE QEQEQETEGS SLDSSRAKRC SNLSTCVLGT YSKDLNNFHT FSGIGFGAET PGKKRDIASG LERGR

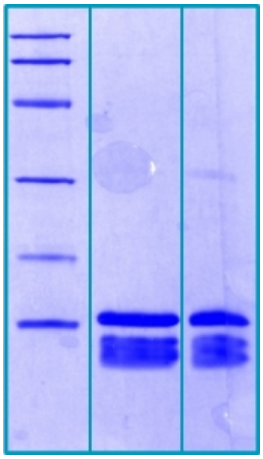
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >90%

SDS-PAGE gel



14 % SDS-PAGE separation of Canine Procalcitonin:

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 20mM TRIS, 50mM NaCl, pH 7.2

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 temperature 2 - 8°C. 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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