Proline-Rich Acidic Protein 1 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: PRAP1, Uterine-specific proline-rich acidic protein, UPA, UNQ608/PRO1195

Cat. No.:
RD172319100 (0.1 mg)

Description

Total 141 AA. MW: 16.2 kDa (calculated). UniProtKB acc.no. Q96NZ9 (Val21- Gln151). N-Terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Proline-rich acidic protein 1 is important for maintaining homeostasis in epithelial cells e.g. in liver or gastrointestinal tract. It is down-regulated in carcinoma.

Research topic

Oncology, Reproduction

Amino Acid Sequence

MKHHHHHHAS VPAPKVPIKM QVKHWPSEQD PEKAWGARVV EPPEKDDQLV VLFPVQKPKL LTTEEKPRGQ GRGPILPGTK AWMETEDTLG HVLSPEPDHD SLYHPPPEED QGEERPRLWV MPNHQVLLGP EEDQDHIYHP Q

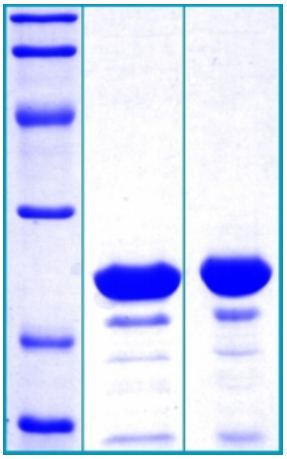
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >85%

SDS-PAGE gel



14% SDS-PAGE separation of Human PRAP1:

1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and boiled sample, 2.5µg / lane
3. non-reduced and non-boiled sample, 2.5µg / lane

Endotoxin

< 1.0 EU/ug

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/ml in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4

Reconstitution

Add 200µl of deionized water to prepare a working stock solution of 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 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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