

32-4493: Recombinant Human Proline-Rich Acidic Protein 1

Alternative Name : Proline-rich acidic protein 1, Epididymis tissue protein Li 178, Uterine-specific proline-rich acidic protein, PRAP1, UPA, PRO1195.

Description

Source : Escherichia Coli. PRAP1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 21-151) containing 141 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 16.2kDa (calculated). Proline-rich acidic protein 1 (PRAP1) is essential for maintaining homeostasis in epithelial cells e.g. in liver or gastrointestinal tract. PRAP1 is abundantly expressed in the epithelial cells of the liver, kidney, gastrointestinal tract and cervix. PRAP1 is notably down-regulated in hepatocellular carcinoma and right colon adenocarcinoma compared with the respective adjacent normal tissues.

Product Info

Amount : 10 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : PRAP1 filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.
Storage condition : Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid : MKHHHHHHASVPAPKVPIKM QVKHWPSEQD PEKAWGARVV EPPEKDDQLV VLFPVQKPKL
LTTEEKPRGQ GRGPILPGTK AWMETEDTLG HVLSPEPDHD SLYHPPPEED QGEERPRLWV MPNHQVLLGP
EEDQDHIYHP Q.

Application Note

It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. PRAP1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

