Product Data Sheet

Product Name:	PRAP1 Human
Cat. No.:	GP24222
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Proline-rich acidic protein 1; Epididymis tissue protein Li 178; Uterine-specific proline-rich acidic protein; PRAP1; UPA; PRO1195.		
Amino Acid Sequence	MKHHHHHHASVPAPKVPIKM QVKHWPSEQD PEKAWGARVV EPPEKDDQLV VLFPVQKPKL LTTEEKPRGQ GRGPILPGTK AWMETEDTLG HVLSPEPDHD SLYHPPPEED QGEERPRLWV MPNHQVLLGP EEDQDHIYHP Q.		
Solubility	It is recommended to add 200?l 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.		
Formulation	PRAP1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.		

Introduction

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.

Stability

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 .

Background

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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).

Caution: Product has not been fully validated for medical applications. For research use only.
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