

# Recombinant Human PRAP1 Protein (His Tag)

Catalog Number:PKSH032937



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

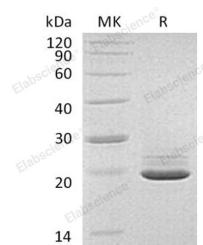
## Description

<b>Synonyms</b>	Proline-Rich Acidic Protein 1;Epididymis Tissue Protein Li 178;Uterine-Specific Proline-Rich Acidic Protein;PRAP1;UPA
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Val21-Gln151
<b>Accession</b>	AAL16670.1
<b>Calculated Molecular Weight</b>	16.0 kDa
<b>Observed molecular weight</b>	20 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB,150mM NaCl,pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Proline-rich acidic protein 1, also known as Uterine-specific proline-rich acidic protein, UPA and PRAP1, is a secreted protein. PRAP1 is abundantly expressed in the epithelial cells of the liver, kidney, gastrointestinal tract and cervix. PRAP1 is up-regulated by butyrate, trichostatin A and 5'-aza-2' deoxycytidine. PRAP1 may play an important role in maintaining normal growth homeostasis in epithelial cells. PRAP1 is suppressed through epigenetic mechanisms involving histone deacetylation and methylation. PRAP1 has been shown to cause cell growth inhibition in cancer cell lines.

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