

## PRAP1 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P71004
<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>Source:</b>	HEK293
<b>Accession:</b>	AAL16670.1 (V21-Q151)
<b>Gene ID:</b>	118471
<b>Molecular Weight:</b>	Approximately 20.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>V P A P K V P I K M      Q V K H W P S E Q D      P E K A W G A R V V      E P P E K D D Q L V</p> <p>V L F P V Q K P K L      L T T E E K P R G Q      G R G P I L P G T K      A W M E T E D T L G</p> <p>R V L S P E P D H D      S L Y H P P P E E D      Q G E E R P R L W V      M P N H Q V L L G P</p> <p>E E D Q D H I Y H P      Q</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>Proline-rich acidic protein 1 (PRAP1) is a lipid-binding protein which promotes lipid absorption by facilitating MTTP-mediated lipid transfer (mainly triglycerides and phospholipids) and MTTP-mediated apoB lipoprotein assembly and secretion. PRAP1 also negatively regulates the apoptotic process, gets involved in p53/TP53-dependent cell survival after DNA damage and may cause cell cycle arrest. PRAP1 may play an important role in maintaining normal growth homeostasis in epithelial cells and may down-regulate the expression of MAD1L1, exerting a suppressive role in mitotic spindle assembly checkpoint in hepatocellular carcinomas<sup>[1][2][3]</sup>.</p>
-------------------	--

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA