

PARM-1 Protein, Human (HEK293, His)

Cat. No.:	HY-P73730
Synonyms:	Prostate androgen-regulated mucin-like protein 1; PARM-1
Species:	Human
Source:	HEK293
Accession:	AAH13294 (L21-S258)
Gene ID:	25849
Molecular Weight:	Approximately 25.7 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Prostate androgen-regulated mucin-like protein 1 (PARM-1) is a highly glycosylated, mucin-like type 1 transmembrane protein primarily located at the plasma membrane and in the endocytic pathway. PARM-1 is also a pro-proliferative and anti-apoptotic glycoprotein involved in the endoplasmic reticulum (ER) stress response, and its presence in most human tissues with especially high expression in heart, kidney and placenta. PARM-1 contributes to ovulation and/or luteal function by acting as a novel regulator of progesterone metabolism. PARM-1 may regulate TLP1 expression and telomerase activity, thus enabling certain prostatic cells to resist apoptosis. Moreover, ectopic expression of human PARM-1 in a prostate cancer cell line increases cell proliferation, thereby suggesting its role in the physiobiology of prostate and prostate cancer ^{[1][2][13]} [4].
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Caution: Product has not been fully validated for medical applications. For research use only.

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