

PSG1 Protein, Human (HEK 293, hFc)

Cat. No.:	HY-P72486A
Synonyms:	PSG1; Pregnancy-specific beta-1-glycoprotein 1
Species:	Human
Source:	HEK293
Accession:	NP_001171754.1 (Q35-P419)
Gene ID:	5669
Molecular Weight:	Approximately 95 kDa.

PROPERTIES

Biological Activity	Data is not available.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	Pregnancy-specific beta-1-glycoprotein 1 (PSG1) is a prominent constituent of the human placenta, a vital endocrine organ crucial for sustaining fetal well-being. Originating from the syncytiotrophoblast, PSG1 attains concentrations of 100 to 290 mg/l in the serum of pregnant women at term. Classified within the immunoglobulin (Ig) superfamily, PSG1's molecular characteristics contribute to its essential role in supporting pregnancy. With a restricted expression primarily localized to the placenta (RPKM 224.3), PSG1 underscores its significance as a major contributor to the hormonal milieu essential for fetal survival and development during pregnancy.
------------	---

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

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