

PSG1 Protein, Human (HEK293, His)

Cat. No.:	HY-P72486
Synonyms:	Pregnancy-specific beta-1-glycoprotein 1; PSBG-1; FL-NCA-1/2; PSG95; CD66f; B1G1; PSGGA
Species:	Human
Source:	HEK293
Accession:	P11464/NP_001171754.1 (Q35-P419)
Gene ID:	5669
Molecular Weight:	Approximately 68 kDa

PROPERTIES

AA Sequence	<pre> Q V T I E A E P T K V S E G K D V L L L V H N L P Q N L T G Y I W Y K G Q M R D L Y H Y I T S Y V V D G E I I I Y G P A Y S G R E T A Y S N A S L L I Q N V T R E D A G S Y T L H I I K G D D G T R G V T G R F T F T L H L E T P K P S I S S S N L N P R E T M E A V S L T C D P E T P D A S Y L W W M N G Q S L P M T H S L K L S E T N R T L F L L G V T K Y T A G P Y E C E I R N P V S A S R S D P V T L N L L P K L P K P Y I T I N N L N P R E N K D V L N F T C E P K S E N Y T Y I W W L N G Q S L P V S P R V K R P I E N R I L I L P S V T R N E T G P Y Q C E I R D R Y G G I R S D P V T L N V L Y G P D L P R I Y P S F T Y Y R S G E V L Y L S C S A D S N P P A Q Y S W T I N E K F Q L P G Q K L F I R H I T T K H S G L Y V C S V R N S A T G K E S S K S M T V E V S D W T V P </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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	PSG1 Protein is a secreted glycoprotein of the human PSG family ^[3] . PSG1 Protein is the most abundant PSG in maternal serum, as a possible inducer of proangiogenic growth factors known to play an important role in establishment of the
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vasculature at the maternal-fetal interface^[4]. PSG1 Protein functions primarily as an immune-modulator to protect the growing fetus^[5].

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

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