

PS-beta-G-5 Protein, Human (HEK293, His)

Cat. No.:	HY-P71238
Synonyms:	Pregnancy-specific beta-1-glycoprotein 5; PS-beta-G-5; PSBG-5; Pregnancy-specific glycoprotein 5; Fetal liver non-specific cross-reactive antigen 3; FL-NCA-3
Species:	Human
Source:	HEK293
Accession:	AAH12607.1 (Q35-I335)
Gene ID:	5673
Molecular Weight:	Approximately 50.0 kDa

PROPERTIES

AA Sequence	<pre> QVTIEALPPK VSEGGKDVLLL VHNLPQNLAG YIWYKGQLMD LYHYITSYVV DGQINIYGPA YTGRETVYSN ASLLIQNVTR EDAGSYTLHI IKRGDRTRGV TGYFTFNLYL KLPKPYITIN NSKPRENKDV LAFTCEPKSE NYTYIWWLNG QSLPVSPRVK QPIENRILIL PSVTRNETGP YECEIRDRDG GMHSDPVTLN VLYGPDLPIS YPSFTYYRSG ENLYLSCFAE SNPPAEYFWT INGKFQSQSQ KLSIPQITTK HRGLYTCSVR NSATGKESSK SMTVEVSAPS GIGRLPLLNP I </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	PSG is the main secreted protein group synthesized by placental syncytiotrophoblast cells, promotes the selective activation of macrophages, and is related to the transition from inflammatory Th1-mediated immune response to anti-inflammatory Th2-mediated immune response in vitro and in vivo. The expression of the PSG gene is up-regulated by lysine acetylation associated with both histone and non-histone proteins. KLF4 and Sp1 can activate the PSG-5 promoter ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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