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Datasheet for ABIN1880612  
**PSG9 Protein (AA 35-426) (His tag)**

### Overview

Quantity:	50 µg
Target:	PSG9
Protein Characteristics:	AA 35-426
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSG9 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Pregnancy-Specific $\beta$ -1-Glycoprotein 9/PSBG9 (C-6His)
Sequence:	<p>EVTIEAQPPK VSEGKDVLLL VHNLPQNLPG YFWYKGEMTD LYHYIISYIV DGKIIYGPAA YSGRETVYSN ASLLIQNVTR KDAGTYTLHI IKRGDETREE IRHFTFTLYL ETPKPYISSS NLNPREAMEA VRLICDPETL DASYLWWMNG QSLPVTHRLQ LSKTNRTLYL FGVTKYIAGP YECEIRNPVS ASRSDPVTLN LLPKLPIPYI TINNLNPREN KDVLAFSTCEP KSENYTYIWW LNGQSLPVSP GVKRPIENRI LILPSVTRNE TGPYQCEIQD RYGGLRSNPV ILNVLYGPD PRIYPSFTYY RSGENLDLSC FTESNPPAEY FWTINGKFQQ SGQKLFIPQI TRNHSGLYAC SVHNSATGKE ISKSMTVKVS GPCHGDLTES QSVDDHHHHHH</p>
Characteristics:	Recombinant Human Pregnancy-specific beta-1-glycoprotein 9/PSG9/PSG11 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu35-Ser426) of Human PSG9 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

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Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

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## Target Details

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Target:	PSG9
Alternative Name:	PSG9 ( <a href="#">PSG9 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Pregnancy-specific beta-1-glycoprotein 9(PSG9) is a secreted protein and contains 3 Ig-like C2-type (immunoglobulin-like) domains, 1 Ig-like V-type (immunoglobulin-like) domain. It is a member of the PSG family, a group of closely related secreted glycoproteins that are highly expressed in fetal placental syncytiotrophoblast cells. The members of the PSG protein family all have a characteristic N-terminal domain that is homologous to the immunoglobulin variable region. PSGs become detectable in serum during the first two to three weeks of pregnancy and increase as the pregnancy progresses, eventually representing the most abundant fetal protein in the maternal blood at term. PSGs function to stimulate secretion of TH2-type cytokines from monocytes, and they may also modulate the maternal immune system during pregnancy, thereby protecting the semi-alloypic fetus from rejection. PSGs are commonly expressed in trophoblast tumors. Eleven human PSG proteins (PSG1-PSG11) have been described.</p> <p>Alternative Names: Pregnancy-specific beta-1-glycoprotein 9, PS-beta-G-9, PSBG-9, Pregnancy-specific glycoprotein 9, PS34, Pregnancy-specific beta-1 glycoprotein B, PS-beta-B, Pregnancy-specific beta-1-glycoprotein 11, PS-beta-G-11, PSBG-11, Pregnancy-specific glycoprotein</p>
Molecular Weight:	45.6 kDa
UniProt:	<a href="#">Q00887</a>

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## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

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## Handling

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Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.5.

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Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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Storage: -80 °C

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Storage Comment: Store at < -20°C, stable for 6 months after receipt.  
Please minimize freeze-thaw cycles.

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Expiry Date: 6 months