

## Recombinant Human PSG9/PSBG9 Protein (His Tag)

Catalog No. PKSH032927

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

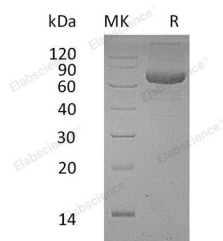
### Description

<b>Synonyms</b>	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 11;Pregnancy-specific glycoprotein 7;PSG7;PSG11
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Glu35-Ser426
<b>Accession</b>	AAH20759.1
<b>Calculated Molecular Weight</b>	45.6 kDa
<b>Observed molecular weight</b>	65 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

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

### For Research Use Only

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-allotypic fetus from rejection. PSGs are commonly expressed in trophoblast tumors. Eleven human PSG proteins (PSG1-PSG11) have been described.