

## 32-7817: Recombinant Human Pregnancy-Specific beta-1-Glycoprotein 9/PSBG9 (C-6His)

**Gene :** PSG9  
**Gene ID :** 5678  
**Uniprot ID :** Q00887

### Description

Source: Human Cells.

MW :45.6kD.

Recombinant Human Pregnancy-specific beta-1-glycoprotein 9 is produced by our Mammalian expression system and the target gene encoding Glu35-Ser426 is expressed with a 6His tag at the C-terminus. 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-allotypic fetus from rejection. PSGs are commonly expressed in trophoblast tumors. Eleven human PSG proteins (PSG1-PSG11) have been described.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** EVTIEAQPPKVSEGKDVLLLVHNLPGYFWYKGEMTDLYHYIISYIVDGKIIYGPAYSGRETVYSNASLLIQN  
VTRKDAGTYTLHIIKRGDETREEIRHFTFTLYLETPKPYISSSNLNPREAMEAARLIDCPETLDASYLWWMNGQSL  
PVTHRLQLSKTNRTLYLFGVTKYIAGPYECEIRNPVSASRSDPVTNLNLLPKLPYITINNLNPRENKDVLAFCEPK  
SENYTYIWWLNGQSLPVSPGVKRPENRILILPSVTRNETGPYQCEIQDRYGGLRSNPVILNVLYGPDLPRIYPSFT  
YYRSGENLDLSCFTESNPPAEYFWTINGKFQQSGQKLFIPQITRNHSGLYACSVHNSATGKEISKSM TVKVSGPC  
HGDLTESQSVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.