

PSG9 Protein, Human, Recombinant (His)

General Information

Synonyms:	PS- β -G-11;PS- β -G-9;PS- β -B;Pregnancy-specific β -1 glycoprotein B;Pregnancy-specific beta-1-glycoprotein 11;Pregnancy-specific β -1-glycoprotein 9;Pregnancy-specific glycoprotein; PS-beta-B;Pregnancy-specific β -1-glycoprotein 11;PSBG-11;PS34;PSBG-9;Pregnancy-specific glycoprotein 9;Pregnancy-specific beta-1 glycoprotein B;PS-beta-G-11;Pregnancy-specific beta-1-glycoprotein 9;PS-beta-G-9
Protein Construction:	Glu35-Ser426
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH20759.1
Molecular Weight:	65 KDa (reducing condition)
AA Sequence:	Glu35-Ser426

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Supplied as a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481