



Recombinant Protein Technical Manual

Recombinant Human PSG1 Protein (His Tag)

RPES2503

Product Data:

Product SKU: RPES2503

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P11464

Protein Information:

Molecular Mass: 44.5 kDa

AP Molecular Mass: 68 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Pregnancy-specific beta-glycoprotein 1;PSBG;CD66 antigen-like family member F; Fetal liver non-specific cross-reactive antigen 1/2; PSG95; Pregnancy-specific beta glycoprotein C/D

Immunogen Information:

Sequence: Gln35-Pro419

Background:

Pregnancy-specific beta-glycoprotein 1 (PSBG for short), also named CD66 antigen-like family member F, Fetal liver non-specific cross-reactive antigen 1/2, PSG95, Pregnancy-specific beta glycoprotein C/D, is a secreted protein which belongs to the immunoglobulin superfamily, CEA family. It contains 3 Ig-like C2-type (immunoglobulin-like) domains and 1 Ig-like V-type (immunoglobulin-like) domain. The human placenta is a multihormonal endocrine organ that produces hormones, enzymes, and other molecules that support fetal survival and development.