



Recombinant Protein Technical Manual

Recombinant Human PSG3 Protein (His Tag)

RPES2541

Product Data:

Product SKU: RPES2541

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q16557

Protein Information:

Molecular Mass: 45.2 kDa

AP Molecular Mass: 58 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 3;Carcinoembryonic Antigen SG5;Pregnancy-Specific Glycoprotein 3 ;PS-Beta-G-3; PSBG-3.

Immunogen Information:

Sequence: Gln35-Leu428

Background:

Pregnancy-specific beta-glycoprotein 3 is also known as Carcinoembryonic Antigen SG5, Pregnancy-Specific Glycoprotein 3, PS-Beta-G-3, PSBG-3. It belongs to the immunoglobulin superfamily. CEA family. It is synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. Molecular cloning and analysis of several PSG genes has indicated that the PSGs form a subgroup of the carcinoembryonic antigen (CEA) gene family. Members of the CEA family consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains.