



Recombinant Protein Technical Manual
Recombinant Human PSG6/PSG10 Protein (His Tag)
RPES3944

Product Data:

Product SKU: RPES3944

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: NP_001027020

Protein Information:

Molecular Mass: 45.2 kDa

AP Molecular Mass: 58 kDa

Tag: C-His

Bio-activity:

Purity: > 87 % 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 sterile 20mM Tris, 500mM NaCl, pH 7.4

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

Application:

Synonyms: CGM3;PSBG0;PSBG2;PSBG-6;PSG10;PSG12;PSG6;PSGGB

Immunogen Information:

Sequence: Met 1-His 424

Background:

PSG6 is a pregnancy-specific glycoprotein(PSG). PSGs are secreted proteins which are produced by the rodent and primate placenta and play a critical role in pregnancy success. The levels of PSGs are highest during the third trimester of pregnancy, a time marked by the most profound suppression of MS disease attacks. PSGs regulate T-cell function. The regulation of T-cell function during pregnancy is likely the result of significant hormonal changes and may well involve immunoregulatory proteins derived from the placenta. Pregnancy specific glycoproteins (PSGs) are the most abundant placentally derived glycoproteins in the maternal serum. PSG1, PSG6, PSG6N, and PSG11 induce dose-dependent secretion of anti-inflammatory cytokines by human monocytes. Human and murine PSGs exhibit cross-species activity.