



Recombinant Protein Technical Manual

Recombinant Human PSG2 Protein (His Tag)

RPES2523

Product Data:

Product SKU: RPES2523

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P11465

Protein Information:

Molecular Mass: 34.5 kDa

AP Molecular Mass: 43 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: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: Pregnancy specific beta-glycoprotein 2; PSBG2; Pregnancy-specific beta glycoprotein E; pregnancy-specific beta-glycoprotein 2; pregnancy-specific beta-glycoprotein 7; PSG2

Immunogen Information:

Sequence: Gln35-Thr335

Background:

PSG2 is a secreted protein that in humans is encoded by the PSG2 gene. It is a member of the human pregnancy-specific glycoproteins (PSGs) family. These proteins are synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. PSG2 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. It has an arg-gly-asp (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain.