

## 32-4523: Recombinant Human Pregnancy Specific Beta-1-Glycoprotein 1

**Alternative Name :** Pregnancy Specific Beta-1-Glycoprotein 1,PSBG1,B1G1,Fetal Liver Non-Specific Cross-Reactive Antigen 1/2,Pregnancy-Specific Beta-1 Glycoprotein C/D,CD66 Antigen-Like Family Member F,PS-Beta-C/D,PS-Beta-G-1,FL-NCA-1/2,PSBG-1,PSGGA,PSG95,SP1

### Description

Source : Escherichia Coli. PSG1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 408 amino acids (35-419) and having a molecular mass of 45.9 kDa.PSG1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Pregnancy Specific Beta-1-Glycoprotein 1 (PSG1) is a member of a subgroup of transcription factors which are phosphorylated upon binding to promoter sequences. PSGs belong to the carcinoembryonic antigen (CEA) family and function as early biochemical markers of syncytiotrophoblast formation. Furthermore, PSG1 is assumed to mediate placental vascular morphogenesis by enhancing VEGF-A production and endothelial tube formation. PSG1 is a major product of the syncytiotrophoblast, reaching concentrations of 100- 290 mg/l at term in the serum of pregnant women.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 80% as determined by SDS-PAGE.

**Content :** The PSG1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSQVTIEAE PTKVSEGKDV LLLVHNLQPN LTGYIWYKGQ MRDLYHYITS YVVDGEIIY GPAYSGRETA YSNASLLIQN VTREDAGSYT LHIKGGDDGT RGVTGRFTFT LHLETPKPSI SSSNLPRET MEAVSLTCDP ETPDASYLWW MNGQSLPMTH SLKLSETNRT LFLLGVTKYT AGPYECEIRN PVSASRSDPV TLNLLPKLPK PYITINLNP RENKDVNLFT CEPKSENYTY IWWLNGQSLP VSPRVKRPPIE NRILILPSVT RNETGPYQCE IRDRYGGIRS DPVTLNVLYG PDLPRIYPSF TYRSGEVLY LSCSADSNNP AQYSWTINEK FQLPGQKLF RHITTKHSGL YVCSVRNSAT GKESKSM TV EVSGKWIP.

