

## 32-4524: Recombinant Human Pregnancy Specific Beta-1-Glycoprotein 5

**Alternative Name :** Pregnancy Specific Beta-1-Glycoprotein 5, Pregnancy-Specific Beta-1 Glycoprotein, Fetal Liver Non-Specific Cross-Reactive Antigen 3, Pregnancy-Specific Beta-1-Glycoprotein 5, FL-NCA-3, PS-beta-G-5, PSBG-5, PSG.

### Description

Source : Escherichia Coli. PSG5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 324 amino acids (35-335) and having a molecular mass of 36.4kDa. PSG5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PSG5 belongs to the PSG family, which are a highly connected group of secreted glycoproteins, vastly expressed in fetal placental syncytiotrophoblast cells. PSGs are can be found in serum from the first 2-3 weeks of pregnancy and at higher levels as the pregnancy progresses, up to e point where they are the highest fetal protein found in maternal blood at term. PSG5's role is inducing secretion of TH2-type cytokines from monocytes and modulating the maternal immune system throughout the pregnancy, thus defending the semi-allotypic fetus from rejection.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 80% as determined by SDS-PAGE.  
**Content :** The PSG5 solution contains 20mM Tris-HCl buffer (pH 8.0), 1M 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 SGLVPRGSH MGSQVTIEAL PPKVSEGKDV LLLVHNLQPN LAGYIWYKGG  
LMDLYHYITS YVVDGQINIY GPAYTGRET V YSNASLLIQN VTREDAGSYT LHIKRGDRT  
RGVTGYFTFN LYLKLPKPYI TINNSKPREN KDVLAFTCEP KSENYTIWW LNGQSLPVSP  
RVKRPIENRI LILPSVTRNE TGPYECEIRD RDGGMRS DPV TLNVLYG PDL PSYPSFTYY  
RSGENLYLSC FAESNPPAEY FWTINGKFQQ SGQKLSIPQI TTKHRGLYTC SVRNSATGKE  
SSKSMTVEVS APSGIGRLPL LNPI

