## 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

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| **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 SSGLVPRGSH MGSQVTIEAL PPKVSEGKDV LLLVHNLPQN LAGYIWYKGQ LMDLYHYITS YVVDGQINIY GPAYTGRETV YSNASLLIQN VTREDAGSYT LHIIKRGDRT RGVTGYFTFN LYLKLPKPYI TINNSKPREN KDVLAFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE TGPYECEIRD RDGGMRSDPV TLNVLYGPDL PSIYPSFTYY RSGENLYLSC FAESNPPAEY FWTINGKFQQ SGQKLSIPQI TTKHRGLYTC SVRNSATGKE SSKSMTVEVS APSGIGRLPL LNPI |