

Pregnancy Specific Beta-1-Glycoprotein 1 Human Recombinant

Item Number	rAP-4566
Synonyms	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, Pre
Description	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.
Uniprot Accession Number	P11464
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSQVTIEAE PTKVSEGKDV LLLVHNL PQN LTGYIWYKGQ MRD-LYHYITS YVVDGEIIII GPAYSGRETA YSNASLLIQN VTREDAGSYT LHIKGGDDGT RGV TGRFTFT LHLETPKPSI SSSNLNPRET MEAVSLTCDP ETPDASYLWW MNGQSLPMT H SLKLSETNRT LFL LGVTKYT AGPYECEIRN PVSASRSDPV TLNLLPKLPK PYTINNLP RENKDVNFT CEPKSENYTY IWWLNGQSLP VSPRVKRPIE NRILIPSVT RNETGPYQCE IRDRYGGIRS DPVTLNVL YG PDLPRIYPSF TYYRSGEVLY LSCSADSNPP AQYSWTINEK FQLPGQKLF RHITTKHSGL YVCSVRNSAT
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	The PSG1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**