9051 Mira Mesa Blvd, #910094
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PSG5 Human

Pregnancy Specific Beta-1-Glycoprotein 5 Human Recombinant
RCP1731

Product Overview

Name	PSG5 Human
Description	
Pregnancy Specific Beta-1-Glycoprotein 5 Human Recombinant	
Accession (Primary)	Q15238
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The PSG5 solution contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 80% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS QVTIEAL PPKVSEGKDV LLLVHNLPQN LAGYIWYKGQ LMDLYHYITS YVVDGQINIY GPAYTGRETV YSNASLLIQN VTREDAGSYT LHIIKRGDRT RGVTGYFTFN LYLKLPKPYI TINNSKPREN KDVLAFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE TGPYECEIRD	

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RDGGMRSDPV TLNVLYGPDL PSIYPSFTYY RSGENLYLSC FAESNPPAEY FWTINGKFQQ SGQKLSIPQI

TTKHRGLYTC SVRNSATGKE SSKSMTVEVS APSGIGRLPL LNPI

Precautions

PSG5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15238)