
Product Data Sheet

Product Name: PSG5 Human
 Cat. No.: GP24256
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQVTIEAL PPKVSEGKDV LLLVHNL PQN LAGYIWYKGQ LMDLYHYITS YVVDGQINIY GPAYTGRET V YSNASLLIQN VTREDAGSYT LHIKRGDRT RGVTGYFTFN LYLKLPKPYI TINNSKPREN KDVL AFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE TGPYECEIRD RDGGMRSDPV TLNVLYGPD L PSYPSFTYY RSGENLYLSC FAESNPPAEY FWTINGKFQQ SGQKLSIPQI TTKHRGLYTC SVRNSATGKE SSKSMTVEVS APSGIGRLPL LNPI		
Formulation	The PSG5 solution contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol.		

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. PSG56ns 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA