9051 Mira Mesa Blvd, #910094
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PSG1 Human

Pregnancy Specific Beta-1-Glycoprotein 1 Human Recombinant
RCP1729

Product Overview

Name	PSG1 Human
Description	
Pregnancy Specific Beta-1-Glycoprotein 1 Human Recombinant	
Accession (Primary)	P11464
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, Pregnancy-Specific Beta-1-Glycoprotein 1, Pregnancy-Specific B-1 Glycoprotein, Pregnancy-Specific Glycoprotein 1, CD66f Antigen, DHFRP2, PSGIIA, CD66f, PBG1, PSG1.	
Introduction	
Pregnancy Specific Beta-1-Glycoprotein 1 (PSG1) is a member of a subgroup of transcription factors which are phosphorylated upon binding to promoter sequences. PSGs belong to the carcinoembryonic antigen (CEA) family and function as early biochemical markers of syncytiotrophoblast formation. Furthermore, PSG1 is assumed to mediate placental vascular morphogenesis by enhancing VEGF-A production and endothelial tube formation. PSG1 is a major product of the syncytiotrophoblast, reaching concentrations of 100- 290 mg/l at term in the serum of pregnant women.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The PSG1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M 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 QVTIEAE PTKVSEGKDV LLLVHNLPQN LTGYIWYKGQ MRDLYHYITS	

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YVVDGEIIIY GPAYSGRETA YSNASLLIQN VTREDAGSYT LHIIKGDDGT RGVTGRFTFT LHLETPKPSI SSSNLNPRET MEAVSLTCDP ETPDASYLWW MNGQSLPMTH SLKLSETNRT LFLLGVTKYT AGPYECEIRN PVSASRSDPV TLNLLPKLPK PYITINNLNP RENKDVLNFT CEPKSENYTY IWWLNGQSLP VSPRVKRPIE NRILILPSVT RNETGPYQCE IRDRYGGIRS DPVTLNVLYG PDLPRIYPSF TYYRSGEVLY LSCSADSNPP AQYSWTINEK FQLPGQKLFI RHITTKHSGL YVCSVRNSAT GKESSKSMTV EVSGKWIP.

Precautions

PSG1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P11464)