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PSG1 Human, Sf9

Pregnancy Specific Beta-1-Glycoprotein 1 Human Recombinant, Sf9
RCP1730

Product Overview

Name	PSG1 Human, Sf9

Description

Pregnancy Specific Beta-1-Glycoprotein 1 Human Recombinant, Sf9

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

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

PSG1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% 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 90% as determined by SDS-PAGE.

Amino acid sequence

ADLQVTIEAE PTKVSEGKDV LLLVHNLPQN LTGYIWYKGQ MRDLYHYITS YVVDGEIIIY GPAYSGRETA

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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 HH HHHH .

Precautions

PSG1 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P11464)