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Datasheet for ABIN1880667

PSG5 Protein (AA 35-335) (His tag)

Overview

Quantity:	50 µg
Target:	PSG5
Protein Characteristics:	AA 35-335
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSG5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Pregnancy-Specific β -1-Glycoprotein 5/PSG5 (C-6His)
Sequence:	QVTIEALPPK VSEGKDVLLL VHNLPQNLG YIWYKGQLMD LYHYITSYV DGQINIYGPA YTGRETVYSN ASLLIQNVTR EDAGSYTLHI IKRGDRTRGV TGYFTFNLYL KLPKPYITIN NSKPRENKDV LAFTCEPKSE NYTYIWWLNG QSLPVSPRVK QPIENRILIL PSVTRNETGP YECEIRDRDG GMHSDPVTLN VLYGPDLP SI YPSFTYYRSG ENLYLSCFAE SNPPAEYFWT INGKFQQSGQ KLSIPQITTK HRGLYTCSVR NSATGKESSK SMTVEVSAPS GIGRLPLLNP IVDHHHHHH
Characteristics:	Recombinant Human PSG5/PS-beta-G-5/PSBG-5 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln35-Ile335) of Human PSG5 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: PSG5

Alternative Name: PSG5/PS-beta-G-5/PSBG-5 ([PSG5 Products](#))

Sub Type: Fusionprotein

Background: Pregnancy-specific beta-1-glycoprotein 5, is a secreted protein which belongs to the immunoglobulin superfamily, CEA family. It contains 2 Ig-like C2-type (immunoglobulin-like) domains and 1 Ig-like V-type (immunoglobulin-like) domain. The human pregnancy-specific glycoproteins (PSGs) are a group of molecules that are mainly produced by the placental syncytiotrophoblasts during pregnancy. Diseases associated with PSG5 include leukemia. An important paralog of this gene is PSG9.

Alternative Names: Pregnancy-specific beta-1-glycoprotein 5, PS-beta-G-5, PSBG-5, Pregnancy-specific glycoprotein 5, Fetal liver non-specific cross-reactive antigen 3, FL-NCA-3

Molecular Weight: 35 kDa

UniProt: [Q15238](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.

Dissolve the lyophilized protein in ddH₂O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Handling

Expiry Date: 3 months