

[Go to Product page](#)

Datasheet for ABIN1880671

PSG1 Protein (AA 35-419) (His tag)

Overview

Quantity:	50 µg
Target:	PSG1
Protein Characteristics:	AA 35-419
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSG1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Pregnancy-Specific β -1-Glycoprotein 1/PSG1 (C-6His)
Sequence:	<p>QVTIEAEPTK VSEGKDVLLL VHNLPQNLTG YIWYKGQMRD LYHYITSYVV DGEIIIYGPA YSGRETAYSN ASLLIQNVTR EDAGSYTLHI IKGDDGTRGV TGRFTFTLHL ETPKPSISSS NLNPRETMEA VSLTCDPETP DASYLWWMNG QSLPMTHSLK LSETNRTLFL LGVTKYTAGP YECEIRNPVS ASRSDPVTLN LLPKLPKPYI TINNLNPREN KDVLNFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE TGPYQCEIRD RYGGIRSDPV TLNVLYGPD PRIYPSFTYY RSGEVLYLSC SADSNPAAQY SWTINEKFQL PGQKLFIRHI TTKHSGLYVC SVRNSATGKE SSKSMTVEVS DWTVPVDHHH HHH</p>
Characteristics:	Recombinant Human Pregnancy-specific beta-1-glycoprotein 1/PSG1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln35-Pro419) of Human PSG1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PSG1
Alternative Name:	PSG1 (PSG1 Products)
Sub Type:	Fusionprotein
Background:	<p>Pregnancy-specific beta-1-glycoprotein 1 (PSBG-1 for short), also named CD66 antigen-like family member F, Fetal liver non-specific cross-reactive antigen 1/2, PSG95, Pregnancy-specific beta-1 glycoprotein C/D, is a secreted protein which belongs to the immunoglobulin superfamily, CEA family. It contains 3 Ig-like C2-type (immunoglobulin-like) domains and 1 Ig-like V-type (immunoglobulin-like) domain. The human placenta is a multihormonal endocrine organ that produces hormones, enzymes, and other molecules that support fetal survival and development.</p> <p>Alternative Names: Pregnancy-specific beta-1-glycoprotein 1 (PSBG-1 for short), CD66 antigen-like family member F, Fetal liver non-specific cross-reactive antigen 1/2, PSG95, Pregnancy-specific beta-1 glycoprotein C/D, is a secreted protein which belongs to the immunoglobuli</p>
Molecular Weight:	44.5 kDa
UniProt:	P11464

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
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

Handling

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.
Expiry Date:	3 months
