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Datasheet for ABIN1691622
PSG2 Protein (AA 35-335) (His tag)

Overview

Quantity:	50 µg
Target:	PSG2
Protein Characteristics:	AA 35-335
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSG2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Pregnancy-Specific β -1-Glycoprotein 2/PSG2 (C-6His)
Sequence:	QVTIEAQPPK VSEGKDVLLL VHNLPQNLTG YIWYKGQIRD LYHYITSYVW DGQIIYGPA YSGRETAYSN ASLLIQNVTR EDAGSYTLHI IKRGDGTTRGV TGYFTFTLYL ETPKPSISSS NLNPREAMET VILTCDPETP DTSYQWWMNG QSLPMTHRFQ LSETNRTLFL FGVTKYTAGP YECEIRNSGS ASRSDPVTLN LLHGPDLPRI HPSYTNYRSG DNLYLSCFAN SNPPAQYSWT INGKFQQSGQ NLFIPQITTK HSGLYVCSVR NSATGEESST SLTVKVSAST RIGLLPLLNP TVDHHHHHHH
Characteristics:	Recombinant Human Pregnancy-specific beta-1-glycoprotein 2/PSG2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln35-Thr335) of Human PSG2 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: PSG2

Alternative Name: PSG2 ([PSG2 Products](#))

Sub Type: Fusionprotein

Background: PSG2 is a secreted protein that in humans is encoded by the PSG2 gene. It is a member of the human pregnancy-specific glycoproteins (PSGs) family. These proteins are synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. PSG2 consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains. It has an arg-gly-asp (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain.

Alternative Names: Pregnancy specific beta-1-glycoprotein 2, PSBG2, Pregnancy-specific beta-1 glycoprotein E, pregnancy-specific beta-1-glycoprotein 2, pregnancy-specific beta-1-glycoprotein 7, PSG2

Molecular Weight: 34.5 kDa

UniProt: [P11465](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

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: Supplied as 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: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months