## PRODUCT INFORMATION

## Expression system

E.coli

## Domain

35-335aa

## UniProt No.

Q15238
NCBI Accession No.
NP_001123486

## Alternative Names

Pregnancy-specific beta-1-glycoprotein 5, FL-NCA-3, PSG

## PRODUCT SPECIFICATION

## Molecular Weight

36.4 kDa (324aa)

## Concentration

$0.5 \mathrm{mg} / \mathrm{ml}$ (determined by Bradford assay)

## Formulation

Liquid in. 20 mM Tris- HCl buffer (pH 8.0) containing 1M urea, $10 \%$ glycerol

## Purity

> 80\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE,Denatured

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

PSG5 is a member of the PSG family, a group of closely related secreted glycoproteins that are highly expressed in fetal placental syncytiotrophoblast cells. PSGs become detectable in serum during the first two to three weeks of pregnancy and increase as the pregnancy progresses, eventually representing the most abundant fetal protein in the maternal blood at term. PSG5 function to stimulate secretion of TH2-type cytokines from monocytes, and they may also modulate the maternal immune system during pregnancy, thereby protecting the semi-allotypic fetus from rejection. Recombinant human PSG5 protein, fused to His-tag at N-terminus, was

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## Recombinant human PSG5 protein

Catalog Number: ATGP2250
expressed in E. coli.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSQVTIEAL PPKVSEGKDV LLLVHNLPQN LAGYIWYKGQ LMDLYHYITS YVVDGQINIY GPAYTGRETV YSNASLLIQN VTREDAGSYT LHIIKRGDRT RGVTGYFTFN LYLKLPKPYI TINNSKPREN KDVLAFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE TGPYECEIRD RDGGMRSDPV TLNVLYGPDL PSIYPSFTYY RSGENLYLSC FAESNPPAEY FWTINGKFQQ SGQKLSIPQI TTKHRGLYTC SVRNSATGKE SSKSMTVEVS APSGIGRLPL LNPI

## General References

Chan W Y., et al. (1991) Mol Cell Biochem.106:161-170
Panzetta Dutari G M., et al. (2000) Biochem J. 2:511-519.

DATA

SDS-PAGE


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

