

Recombinant Human PSG5, His-tagged

Cat. No. PSG5-15894H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSG5 protein, fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	35-335aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol
Molecular Mass	36.4 kDa (324aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQVTIEAL PPKVSEGKDV LLLVHNL PQN LAGYIWYKGQ LMDLYHYITS YVVDGQINIY GPAYTGRET V YSNASLLIQN VTREDAGSYT LHIKRGDRT RGV TGYFTFN LYLKLPKPYI TINNSKP REN

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KDVLAFTCEP KSENYTYIWW LNGQSLPVSP RVKRPIENRI LILPSVTRNE
 TGPYECEIRD RDGGMRSDPV TLNVLYGPD L PSIYPSFTYY RSGENLYLSC
 FAESNPPAEY FWTINGKFQQ SGQKLSIPQI TTKHRGLYTC SVRNSATGKE
 SSKSMTVEVS APSGIGRLPL LNPI

Purity >80% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PSG5 pregnancy specific beta-1-glycoprotein 5 \[Homo sapiens \(human\) \]](#)

Official Symbol PSG5

Synonyms PSG5; pregnancy specific beta-1-glycoprotein 5; PSG; FL-NCA-3; PSBG-5; PS-beta-G-5; pregnancy-specific glycoprotein 5; pregnancy-specific beta 1 glycoprotein; pregnancy-specific beta-1 glycoprotein; Pregnancy-specific beta-1-glycoprotein-5; etal liver non-specific cross-reactive antigen 3

Gene ID [5673](#)

mRNA Refseq [NM_001130014](#)

Protein Refseq [NP_001123486](#)

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MIM	176394
UniProt ID	Q15238
Chromosome Location	19q13.2

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