

## Product datasheet for **AR51502PU-N**

### CD66f / PSG1 (35-419, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	CD66f / PSG1 (35-419, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSQVTIEAE PTKVSEGKDV LLLVHNLQPN LTGYIWYKGQ MRDLYHYITS YVVDGEIIIY GPAYSGRETA YSNASLLIQN VTREDAGSYT LHIKGGDDGT RGV TGRFTFT LHLETPKPSI SSSNLNPRET MEAVSLTCDP ETPDASYLWW MNGQSLPMTH SLKLSETNRT LFLLGVTKYT AGPYECEIRN PVSASRSDPV TLNLLPKLPK PYITINLNP RENKDV LNFT CEPKSENYTY IWWLNGQSLP VSPRVKRP IE NRILILPSVT RNETGPYQCE IRDRYGGIRS DPVTLNVL YG PDLPRIYPSF TTYRSGEVLY LSCSADSNPP AQYSWTINEK FQLPGQKLF RHITTKHSG L YVCSVRNSAT GKESKSM TV EVSGKWIP
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	45.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>80% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PSG1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001171754</a>
<b>Locus ID:</b>	5669
<b>UniProt ID:</b>	<a href="#">P11464</a>



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**Cytogenetics:** 19q13.2

**Synonyms:** Pregnancy-specific beta-1-glycoprotein 1, PS-beta-G-1, PSBG-1, PSBG1, B1G1, PSGGA, PSG95, Pregnancy-specific beta-1 glycoprotein C/D, PS-beta-C/D

**Summary:** The human placenta is a multihormonal endocrine organ that produces hormones, enzymes, and other molecules that support fetal survival and development. Pregnancy-specific beta-1-glycoprotein (PSBG, PSG) is a major product of the syncytiotrophoblast, reaching concentrations of 100 to 290 mg/l at term in the serum of pregnant women (Horne et al., 1976 [PubMed 971765]). PSG is a member of the immunoglobulin (Ig) superfamily (Watanabe and Chou, 1988 [PubMed 3257488]; Streydio et al., 1988 [PubMed 3260773]).[supplied by OMIM, Oct 2009]

**Protein Families:** Secreted Protein

### Product images:

