

Recombinant Human PSG1

Cat. No. PSG1-30615TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Pregnancy Specific Glycoprotein 1, isoform 4 with N terminal proprietary tag; Predicted MWt 69.23 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	392 amino acids
Description	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.
Molecular Weight	69.230kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

QVTIEAEPTKVSEGGKDVLLLVHNLQPQLTGYIWYKGQMRD LYHYITSYVVDGEIIYG
 PAYSGRETAYSNASLLIQNVTR EDAGSYTLHIIKGDDGTRGVTGRFTFTLHLETPKP
 SISSS NLNPRETMEAVSLTCDPETPDASYLWWMNGQSLPMTHSLK LSETNRTLFL
 GVTKYTAGPYECEIRNPVSASRSDPVTNL LLPKLPKPYITINNLNPRENKDVLNFTCE
 PKSENYTYIWW LNGQSLPVSPRVRRIENRILILPSVTRNETGPYQCEIRD RYGGIR
 SDPVTNLNVLGPDLPRIYPSFTYYRSGEVLYLSC SADSNPQAQYSWTINEKFQLPGQ
 KLFIRHITTKHSGLYVC SVRNSATGKESSKSMTVEVSGKWIPASLAIGF

Sequence Similarities

Belongs to the immunoglobulin superfamily. CEA family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

GENE INFORMATION

Gene Name [PSG1 pregnancy specific beta-1-glycoprotein 1 \[Homo sapiens \]](#)

Official Symbol [PSG1](#)

Synonyms [PSG1](#); pregnancy specific beta-1-glycoprotein 1; [PSBG1](#); pregnancy-specific beta-1-glycoprotein 1; [CD66f](#); [PBG1](#); [PSGGA](#);

Gene ID [5669](#)

mRNA Refseq [NM_001184825](#)

Protein Refseq [NP_001171754](#)

MIM [176390](#)

Uniprot ID [P11464](#)

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Chromosome	19q13.2
Location	

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