Recombinant Human PSG1 293 Cell Lysate

Cat. No. PSG1-2788HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for pregnancy specific beta-1-glycoprotein 1 (PSG1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC204978, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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

Applications	E, IP, WB. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; PSG95; PSBG-1; FL-NCA-1/2; PS-beta-C/D; PS-beta-G-1; CD66 antigen-like family member F; pregnancy-specific glycoprotein 1; pregnancy-specific B-1 glycoprotein; pregnancy-specific beta-1 glycoprotein C/D; fetal liver non-specific cross-reactive antigen 1/2; SP1; B1G1; DHFRP2; PSGIIA; FLJ90598; FLJ90654;
Gene ID	5669
mRNA Refseq	NM_006905
Protein Refseq	NP_008836
MIM	176390
UniProt ID	P11464
Chromosome Location	19q13.2

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