



# Recombinant Human Putative pregnancy-specific beta-1-glycoprotein 7 (PSG7)

<b>Product Code</b>	CSB-EP623781HU-B
<b>Abbreviation</b>	PSG7
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q13046
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QVTIEA QPPKVSEKGD VLLLVHNLQP NLTGHIWYKG QIRDLYHYVT SYIVDGQIIK YGPAYSGRET VYSNASLLIQ NVTQEDTGSY TLHIIKRGDG TGGVTGRFTF TLYLETPKPS ISSSNFNPRE ATEAVILTCD PETPDASYLW WMNGQSLPMT HSLQLSETNR TLYLFGVTNY TAGPYECEIR NPVSASRSDP VTLNLLPKLP KPYITINNLN PRENKDVSTF TCEPKSENYT YIWWLNGQSL PVSPRVKRRRI ENRILILPSV TRNETGPYQC EIRDYGGIR SDPVTNLNVL GPDLPRIYPS FTYYHSGQNL YLSCFADSNP PAQYSWTING KFQLSGQKLS IPQITTKHSG LYACSVRNSA TGKESKSVT VRVSDWTLP
<b>Source</b>	E.coli
<b>Target Names</b>	PSG7
<b>Protein Names</b>	Recommended name: Putative pregnancy-specific beta-1-glycoprotein 7 Short name= PS-beta-G-7 Short name= PSBG-7 Short name= Pregnancy-specific glycoprotein 7
<b>Expression Region</b>	35-419
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene is a member of the pregnancy-specific glycoprotein (PSG) gene family. The PSG genes are a subgroup of the carcinoembryonic antigen (CEA) family of immunoglobulin-like genes, and are found in a gene cluster at 19q13.1-q13.2 telomeric to another cluster of CEA-related genes. The PSG genes are expressed by placental trophoblasts and released into the maternal circulation during pregnancy, and are thought to be essential for maintenance of normal pregnancy. The reference genome contains a nonsense mutation that disrupts the coding sequence, suggesting that this gene may be evolving into a pseudogene.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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