

Recombinant Human PSG2 Protein, His-tagged

Cat. No. PSG2-215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PSG2 fused with His tag at C-terminal was expressed in HEK294 cells.
Species	Human
Source	HEK293
Description	The human pregnancy-specific glycoproteins (PSGs) are a family of proteins that are synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. Molecular cloning and analysis of several PSG genes has indicated that the PSGs form a subgroup of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily of genes. Members of the CEA family consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains. Most PSGs have an arg-gly-asg (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain (summary by Teglund et al., 1994 [PubMed 7851896]). For additional general information about the PSG gene family, see PSG1 (MIM 176390).
Form	Supplied as a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
Molecular Mass	34.5kD
AA Sequence	QVTIEAQPPKVSEGGKDVLLLVHNLPPQNLTGYIWYKGQIRDLYHYITSYVVDGQIIYGP

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AYSGRETAYSNASLLIQNVTRDAGSYTLHIIKRGDGTGRGVTGYFTFTLYLETPKPSIS
 SSNLNPREAMETVILTCDPETPDTSYQWWMNGQSLPMTHRFQLSETNRTLFLFGVT
 KYTAGPYECEIRNSGSASRSDPVTNLHGPDLPRIHPSYTNYSRSGDNLYLSCFANS
 NPPAQYSWTINGKFQQSGQNLFIPTTKHSGLYVCSVRNSATGEESSTSLTVKVSA
 STRIGLLPLLNPVDHHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name [PSG2 pregnancy specific beta-1-glycoprotein 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [PSG2](#)

Synonyms PSG2; CEA; PSG1; PSBG2; pregnancy specific beta-1-glycoprotein 2; pregnancy-specific beta-1-glycoprotein 2; PSBG-2; PS-beta-E; PS-beta-G-2; carcinoembryonic antigen SG8; pregnancy-specific glycoprotein 2; pregnancy-specific beta-1 glycoprotein E; pregnancy-specific beta-1-glycoprotein 7; pregnancy-specific beta-1-glycoprotein-2

Gene ID [5670](#)

mRNA Refseq [NM_031246](#)

Protein Refseq [NP_112536](#)

MIM [176391](#)

UniProt ID [P11465](#)

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