

Product datasheet for **TP303252M**

PSG3 (NM_021016) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pregnancy specific beta-1-glycoprotein 3 (PSG3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203252 protein sequence Red =Cloning site Green =Tags(s)
	<p>MGPLSAPPCTQRITWKGLLLTALLLNFWNLPTTAQVTIEAEP TKVSKGKDVLLLVHNL PQNLAGYIWYKG QMKDLYHYITSYVVDGQIIYGPAYSGRET VVSNASLLIQNVTREDAGSYTLHIVKRGD GTRGETGHFTF TLYLETPKPSISSSNLYPREDMEAVSLTCDPETPDASYLWWMNGQSLPMT HSLQLSKNKRTLFLFGVTKY TAGPYECEIRNPVSASRSDPVTLNLLPKLPKYITINNLNPRENKDVL AFTCEPKSENYTYIWWLNGQSL PVSPRVKRPIENRILILPSVTRNETGPYQCEIQDRYGGIRSYPVTLNVL YGPDLPRIYPSFTYYHSGENL YLSCFADSNPPAEYSWTINGKFQLSGQKLFIPQITTKHSGLYACSVRNSATGM ESSKSMTVEVSAPSGTG HLPGLNPL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	47.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_066296



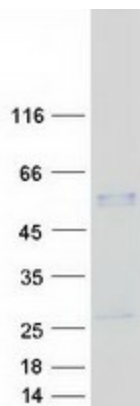
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Locus ID:	5671
UniProt ID:	Q16557
RefSeq Size:	1922
Cytogenetics:	19q13.2
RefSeq ORF:	1284

Summary: 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-asp (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).[supplied by OMIM, Oct 2009]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified PSG3 protein (Cat# [TP303252]). The protein was produced from HEK293T cells transfected with PSG3 cDNA clone (Cat# [RC203252]) using MegaTran 2.0 (Cat# [TT210002]).