

## Product datasheet for PH303134

### PSG5 (NM\_002781) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PSG5 MS Standard C13 and N15-labeled recombinant protein (NP_002772)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203134
Predicted MW:	37.7 kDa
Protein Sequence:	>RC203134 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MGPLSAPPCTQHITWKGVLLTASLLNFWNLPITAQVTIEALPPKVSEGKDVLLL VHNLPQNLAGYIWKYK QLMDLYHYITSYVVDGQINIYGPAYTGRETVYSNASLLIQNVTREDAGSYTLHIKRGDRTRGVTGYFTF NLYLKLKPKPYITINNSKPRENKDVLAFTCEPKSENYTYIWWLNGQSLPVSPRVKQPIENRILILPSVTRN ETGPYECEIRDRDGGMHSDPVTLNVLYGPDLPISIYPSFTYYRSGENLYLSCFAESNPPAEYFWTINGKFQ QSGQKLSIPQITTKHRGLYTCSVRNSATGKESSKSMTEVVSAPSGIGRLPLLNP  <b>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002772</a>
RefSeq Size:	1669
RefSeq ORF:	1005
Synonyms:	FL-NCA-3; PSG
Locus ID:	5673



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UniProt ID: [Q15238](#), [A0A024R0S1](#)

Cytogenetics: 19q13.31

**Summary:** The human pregnancy-specific glycoproteins (PSGs) are a group of molecules that are mainly produced by the placental syncytiotrophoblasts during pregnancy. PSGs comprise a subgroup of the carcinoembryonic antigen (CEA) family, which belongs to the immunoglobulin superfamily. 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 PSG5 protein (Cat# [TP303134]). The protein was produced from HEK293T cells transfected with PSG5 cDNA clone (Cat# [RC203134]) using MegaTran 2.0 (Cat# [TT210002]).