

## **Product datasheet for RC203134L3**

## PSG5 (NM\_002781) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: PSG5 (NM\_002781) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

**Symbol:** PSG5

**Synonyms:** FL-NCA-3; PSG

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203134).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_002781

ORF Size: 1005 bp



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## PSG5 (NM\_002781) Human Tagged Lenti ORF Clone - RC203134L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

> reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: NM 002781.2, NP 002772.2

RefSeq Size: 1669 bp RefSeq ORF: 1008 bp Locus ID: 5673

Q15238 Cytogenetics: 19q13.31

**UniProt ID:** 

Domains: ig, IGc2, IG

**Protein Families:** Secreted Protein

MW: 37.7 kDa

**Gene 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]