

## Product datasheet for **MC205989**

### **Psg22 (NM\_001004152) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Psg22 (NM_001004152) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psg22
Synonyms:	AA408604; cea9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC080694  
AAGAGGTAATCCCTGAGAGTGGAAGTACTGAGCAGTGTCTGGTTCAGAGACCCACCACCCTCAGCCCA  
TAGGATTCTGGGATGTGCTCCTGCCTGAGAGAAAACCTCAGCTCAGAAGGAGGAAGGACAGCAGAGTCCAG  
GTGCCTTGAGGAGCAAAGTTCTTCTCCTCTGAGAAAAGGCCAGTACAGTGAGAAGAGATATGGAGGTATC  
CTCTGAGCTTCTCAGCAATGGGTGGACCTCCTGGCAAAGGTTCTGCTCACAGCCTCCCTCTAACCTGC  
TGGCTCTTGCCCATCACTGCCGGAGTACCATCGAATCCGTACCACCCAAATTGGTTGAAGGAGAAAATG  
TTCTTCTACGAGTGGACAATCTGCCAGAGAATCTCGAGTCTTTGCTGGTATAGAGGGGTGACAGACAT  
GAGCCTCGGAATTGCATTGTATTCACTTGACTATAGCACAAAGTGTGACAGGACCTAAGCACAGTGGTAGA  
GAGACATTGTACAGAAACGGGTCCCTGTGGATCCAAAATGTCACCCGGGAAGACACAGGATATTACACTC  
TTCAAACCATAAGTAAAAATGAAAAAGTGGTATCAAATACATCCATATTCTTCAGGTGAACTCCTCTCT  
TTTCATCTGTGGGCGCCCTTCTCCACCTGCACTCCTCACTATTGAATCAGTGCCAGCCAGCGTTGCTGAA  
GGGGGAAGCGTTCTTCTCCTTGCCACAGTCTTCCAGATAATCTCAATCGCTTCTCTGGTACAAAGGGT  
TGACTGTGTTTAAACAAGTTGAGATTGCTCGGCACAGAACAGTCAAGAATCAAGTAAAATGGGCCCTGC  
CTACAGCGGTAGAGAGATAGTGTACAGCAATGGATCTCTGCTGCTCCAGAATGTCACCTGGGAAGACACA  
GGATTCTACACCCTACAAATTGTGAACAGATATTGAAAAATGGAATTAGCACACATTTACCTTCAGGTGG  
ACACCTCCCTTTCTCGTGTGACGATTTCAACTCTGTCCAAGTGGGATCAATCCAGTGCCACCAGCA  
TGCTGCTGAAGGGGAAAGGGTCTTCTCCAGGTCCATAATCTGCCAGAAGATGTGCAAACCTTTTTGTGG  
TACAAAGGCGTCTATAGCACTCAGAGCTTTAAAATTACAGAGTATAGCATAGTGACAGAGTCTCTCATCA  
ATGGCTATGCACACAGTGAAGAGAGATATTGTTCAATCAATGGATCCCTGCTGCTCCAGGATGCACTGA  
GAAAGACTCTGGCTTCTACACACTAGTAAACAATCGACAGCAATGTGAAAGTTGAAACAGCCCATGTGCAA  
GTCAATGTGAACAAGCTTGTGACACAGCCTGTGATGAGAGTACGGACAGCACAGTTCGAATACAGGGCT  
CAGTGGTCTTCACTTGTCTCAGACAACACTGGGGTCTCCATCCGTTGGCTCTTCAACAATCAGAACT  
GCAGTACACAGAGAGGATGACCCTGTCCCATCAAAGTCCAACCTCAGGATACATACTGTGAGGAAGGAG  
GATGCTGGAGAGTATCAATGTGAGGCCTTCAACCCAGTCAAGTCAAAGACCAAGTCTCCAGTCCAGGCTGA  
CTGTGATGAATGAGTGACCCCTCTCTCATGCTATAGGAGGGTGGGGCATTCTGTATTGAGATGCCAC  
ACCTACCCACCTCTGCCAGTACATATTTCCATTATTGCGATGGCCAGTTGGCCATTTCTCCCATCCCTC  
CCCACACCTGATCCTGAACCCCTCCATTTCTCCACATCCCCTCTCCTACCCAGTTCCTCCCTCTATC  
TGCTTACTACAATATTTCCCCGCTTTTATATGAGATTAACATGCTTCTTGGCTCCCAAAAAAAAAA  
AAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_001004152

**Insert Size:** 1428 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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: [BC080694](#), [AAH80694](#)

RefSeq Size: 1940 bp

RefSeq ORF: 1428 bp

Locus ID: 243862

UniProt ID: [Q810J1](#)

Cytogenetics: 7 A3

**Gene Summary:** May have an angiogenic function during early placental development. Binds to cell-surface heparan sulfate proteoglycans (HSPGs), and stimulates secretion of the proangiogenic factors VEGFA and TGFB from uterine dendritic cells and natural killer cells. Also induces endothelial tube formation in vitro.[UniProtKB/Swiss-Prot Function]