

## Product datasheet for **SC303220**

### **OVGP1 (NM\_002557) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	OVGP1 (NM_002557) Human Untagged Clone
Tag:	Tag Free
Symbol:	OVGP1
Synonyms:	CHIT5; EGP; MUC9; OGP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

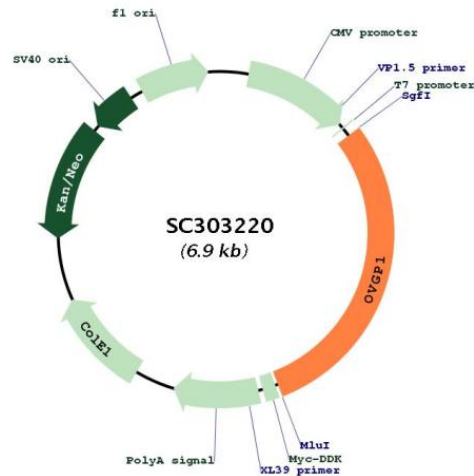


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Fully Sequenced ORF: >SC303220 representing NM\_002557.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGAAGCTGTTGCTGTGGGTTGGGCTGGTTCCTGTGCTGAAACACCACGATGGTGTGCCATAAA
CTCGTGTGTTATTTACCAACTGGGCACACAGTCGGCCAGGCCCTGCCTCGATCTTGCCCATGACCTG
GACCCCTTTCTCTGCACCCACCTGATATTTGCCTTTGCCTCAATGAACAACAATCAGATTGTTGCTAAG
GATCTCCAGGATGAGAAAATTCTCTACCCAGAGTTCAACAACTAAAGGAGAGGAACAGAGAGCTGAAA
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AACCGTGAAGTTTATTGCTTCAGTTATATCCCTTCTGAGGACACATGACTTTGATGGTCTTGACCTT
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GAGCTCCTGTTTGCCTCCGGAAGGAGGCACTGCTCACCATGCGCCGAGGCTGCTGCTGTCTGCTGCT
GTTTCTGGGTCCACACATCGTCAAACATCCTATGATGTGCGCTTTCTAGGAAGACTCCTGGATTTTC
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GAGAAGCTCATCATGGGGATCCCACTATGGACGTACCTTTCGCTCCTCAAAGCCTCTAAGAATGGG
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CTGTCCCTCCAGCCCGTCATCCAGCTCCCGAACAACCTCTCTAGCTTTTGACAACCGCTTTGTTCCC
ATCTATGGAACCATTCCTCTGTCAACTCAGTAACCCCTCAAACAAGTCTCTTTCTCTAAAAAAGAA
ATCCAGAAAACCTCTGCTGTGGATGAAGAAGCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_002557

**Insert Size:** 2037 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_002557.3](#)

**RefSeq Size:** 2258 bp

**RefSeq ORF:** 2037 bp

**Locus ID:** 5016

**UniProt ID:** [Q12889](#)

**Cytogenetics:** 1p13.2

**Protein Families:** Secreted Protein

**MW:** 75.4 kDa

**Gene Summary:** This gene encodes a large, carbohydrate-rich, epithelial glycoprotein with numerous O-glycosylation sites located within threonine, serine, and proline-rich tandem repeats. The gene is similar to members of the mucin and the glycosyl hydrolase 18 gene families. Regulation of expression may be estrogen-dependent. Gene expression and protein secretion occur during late follicular development through early cleavage-stage embryonic development. The protein is secreted from non-ciliated oviductal epithelial cells and associates with ovulated oocytes, blastomeres, and spermatozoan acrosomal regions. [provided by RefSeq, Jul 2008]