

Datasheet for ABIN4924909

Human PSG9 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	PSG9
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human PSG9 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	723 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGGCCCC TCCCAGCCCC TTCCTGCACA CAGCGCATCA CCTGGAAGGG GCTCCTGCTC ACAGCATCAC TTTTAAACTT CTGGAACCCG CCCACCACTG CCGAAGTCAC GATTGAAGCC CAGCCACCCA AAGTTTCTGA GGGGAAGGAT GTTCTTCTAC TTGTCCACAA TTTGCCCCAG AATCTTCTCTG GCTACTTCTG GTACAAAGGG GAAATGACGG ACCTCTACCA TTACATTATA TCGTATATAG TTGATGGTAA AATAATTATA TATGGGCCTG CATAcAGTGG AAGAGAAACA

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Product Details

GTATATTCCA ACGCATCCCT GCTGATCCAG AATGTCACCC GGAAGGATGC AGGAACCTAC
ACCTTACACA TCATAAAGCG AGGTGATGAG ACTAGAGAAG AAATTGACATA TTTCACCTTC
ACCTTATACT ATGGTCCAGA CCTCCCCAGA ATTTACCCTT CATTACACCTA TTACCGTTCA
GGAGAAAACC TCGACTTGTC CTGCTTCACG GAATCTAACC CACCGGCAGA GTATTTTTGG
ACAATTAATG GGAAGTTTCA GCAATCAGGA CAAAAGCTCT TTATCCCCCA AATTACTAGA
AATCATAGCG GGCTCTATGC TTGCTCTGTT CATAACTCAG CCACTGGCAA GGAAATCTCC
AAATCCATGA CAGTCAAAGT CTCTGGTCCC TGCCATGGAG ACCTGACAGA GTCTCAGTCA
TGA

Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	<ul style="list-style-type: none">• Forward primer: 5'-TAATACGACTCACTATAGGG-3'• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene:	PSG9
Alternative Name:	PSG9 (PSG9 Products)
Background:	The protein encoded by this gene is a member of the pregnancy-specific glycoprotein (PSG) family. This protein family and the closely related carcinoembryonic antigen cell adhesion molecule (CEACAM) gene family are both members of the immunoglobulin superfamily, and are organized as a large gene cluster. This protein is thought to inhibit platelet-fibrinogen interactions. Several studies suggest that reduced serum concentrations of PSGs are associated with fetal growth restrictions, while up-regulation of this gene has been observed in colorectal cancers. Several pseudogenes of this gene are found on chromosome 19. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014].
Gene ID:	5678
NCBI Accession:	NM_001301709

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Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)