

Datasheet for ABIN4924913

Human PSG8 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	PSG8
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 PSG8 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	894 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGGCTCC TCTCAGCCCC TCCCTGCACA CAGCGCATCA CCTGGAAGGG GCTCCTGCTC ACAGTGGAGA CTCCCAAGCC CTCCATCTCC AGCAGCAAAT TAAACCCAG GGAGGCCATG GAGGCTGTGA GCTTAACCTG TGATCCTGAG ACTCCGGACG CAAGCTACCT GTGGTGGATG AATGGTCAGA GCCTCCCTAT GTCTCACAGG TTGCAGTTGT CTGAAACCAA CAGGACCCTC TTTCTATTGG GTGTCACAAA GTACACTGCA GGACCCTATG AATGTGAAAT ACGGAACCCA

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Product Details

GTGAGTGCCA GCCGCAGTGA CCCATTACACC CTGAATCTCC TCCCGAAGCT GCCCAAGCCC
TACATCACCA TCAACAACCT AAAACCCAGG GAGAATAAGG ATGTCTTAAA CTTACACCTGT
GAACCTAAGA GTGAGAACTA CACCTACATT TGGTGGCTAA ATGGTCAGAG CCTCCCGGTC
AGTCCCAGGG TAAAGCGACC CATTGAAAAC AGGATCCTCA TTCTACCCAG TGTCACGAGA
AATGAAACAG GACCCTATCA ATGTGAAATA AGGGACCAAT ATGGTGGCAT CCGCAGTTAC
CCAGTCACCC TGAATGTCCT CTATGGTCCA GACCTCCCCA GAATTTACCC TTCATTACCC
TATTACCGTT CAGGAGAAGT CCTCTACTTG TCCTGTTCTG CGGACTCTAA CCCACCGGCA
CAGTATTCTT GGACAATTAA TGGGAAGTTT CAGCTATCAG GACAAAAGCT CTTTATCCCC
CAAATTACTA CAAAGCATAG CGGGCTCTAT GCTTGCTCTG TTCGTAAGTC AGCCACTGGC
AAGGAAAGCT CCAAATCCAT GACAGTAAAA GTCTCTGACT GGACATTACC CTGA

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:	• 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:	PSG8
Alternative Name:	PSG8 (PSG8 Products)
Background:	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].
Gene ID:	440533
NCBI Accession:	NM_001130168

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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)