

Datasheet for ABIN4923877

## Human SERPINA2P ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	SERPINA2P
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 SERPINA2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1266 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGCCATTCT CTGTCTCATG GGGCATCCTC CTGCTGGCAG GCCTGTGCTG CCTGGTCCCC AGCTCCCTGG TTGAGGATCC CCAGGAAGAT GCTGCCCAAA AGACGGATAC ATCCCACCAT GATCAAGGGG ACTGGGAGGA CCTTGCTTGC CAGAAGATCT CCTATAACGT CACCGACCTC GCCTTTGATT TGTACAAAGA GCTGGCTGAT CTATCACAAA CCAGCAATGT CTTAGTCACC

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## Product Details

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CCAACAAGCG TGGCTATGGC CTTTGCAATG CTCTCCCTGG GGACCAAGGC TGACACTCGC  
ACAGAGATCC TGG AAGGCCT GAATGTCAAC CTCACAGAGA CGCCTGAGGC CAAGATCCAC  
GAATGCTTCC AGCAAGTTCT CCAAGCCCTC AGCAGGCCAG ACACCCGGCT CCAGCTGACC  
ACCGGCAGTA GCCTGTTTGT TAACAAGAGT ATGAAGCTAG TGGACACGTT TTTGGAGGAT  
ACCAAGAAGC TGTACCACTC AGAAGCCTCT TCCATCAACT TCAGGGACAC CGAGGAGGCC  
AAAGAGCAGA TCAACAATTA TGTGGAGAAA AGAACTGGAA GAAAAGTAGT GGATTTGGTC  
AAACACCTGA AAAAAGACAC AAGTCTTGCC CTGGTGGATT ACATTTCTTT TCACGGCAAG  
TGGAAAGATA AATTCAAGGC TGAGCACATT ATGGTAGAGG GCTTCCATGT GGATGATAAG  
ACCATCATCA GAGTGCCTAT GATAAACCAC CTGGGTAGAT TTGACATCCA CCGGGACAGG  
GAGTTATCCA GCTGGGTGCT GGCACAGCAC TATGTGGGGA ACGCCACTGC CTTCTTCATC  
CTGCCCGATC CAAAGAAGAT GTGGCAGTTG GAAGAAAAT TGACCTACAG CCACCTTGAA  
AATATCCAGA GAGCCTTTGA CATAAGGTCT ATCAATCTAC ATTTTCCCAA ACTGTCCATT  
TCTGGAACCT ACAAACCTCA GAGAGTCCTT AGGAATCTGG GCATCACCAA GATCTTCAGC  
AACGAGGCCG ACCTCTCTGG AGTCAGTCAG GAGGCACCCC TGAAGCTCTC CAAGGCTGTG  
CATGTGGCTG TGCTACCAT TGATGAGAAA GGGACCGAAG CCACCGGAGC CCCCATCTG  
GAGGAGAAGG CCTGGTCTAA GTATCAGACA GTCATGTTCA ACCGGCCCTT CCTGGTCATC  
ATCAAGGATG ACATCACCAA CTTTCCGCTC TTCATTGGAA AAGTGGTGAA TCCCACCCAA  
AAATAA

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Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

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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.

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Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

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Grade: End-sequenced

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Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: SERPINA2P

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Alternative Name: SERPINA2 ([SERPINA2P Products](#))

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Background: This gene encodes a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. The encoded intracellular glycoprotein is localized at the endoplasmic

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## Target Details

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reticulum. This gene is a polymorphic pseudogene, with the non-functional allele being predominant in some populations. Some individuals, as represented by the reference genome allele, contain a 2kb coding region deletion and a start code mutation. [provided by RefSeq, Feb 2014].

Gene ID: 390502

NCBI Accession: [NM\\_006220](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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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

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