

Product datasheet for **RG227583**

SERPINB2 (NM_001143818) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB2 (NM_001143818) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERPINB2
Synonyms:	HsT1201; PAI; PAI-2; PAI2; PLANH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227583 representing NM_001143818 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGATCTTTGTGTGGCAAACACACTCTTTGCCCTCAATTTATTCAAGCATCTGGCAAAGCAAGCC
CCACCCAGAACCTCTTCCTCTCCCATGGAGCATCTCGTCCACCATGGCCATGGTCTACATGGGCTCCAG
GGCAGCACCGAAGACCAGATGGCCAAGGTGCTTCAGTTAATGAAGTGGAGCCAATGCAGTTACCC
ATGACTCCAGAGAATTTACCAGCTGTGGTTCATGCAGCAGATCCAGAAGGGTAGTTATCCTGATGCGA
TTTTGCAGGCACAAGCTGCAGATAAAATCCATTATCCTTCGGCTCTCAGCTCTGCAATCAATGCATC
CACAGGGAATTTACTGGAAAGTGCAATAAGCTGTTTGGTGAGAAGTCTGCGAGCTTCGGGAAGAA
TATATTCGACTCTGTGAGAAATATTACTCCTCAGAACCCAGGCAGTAGACTTCCTAGAATGTGCAGAAG
AAGCTAGAAAAAGATTTATTCCTGGGTCAAGACTCAAACCAAAGGCAAAATCCCAAACCTGTTACCTGA
AGGTTCTGTAGATGGGGATACCAGGATGGTCTGGTGAATGCTGTCTACTTCAAAGGAAAGTGGAAAAC
CCATTTGAGAAGAACTAAATGGGCTTTATCCTTCCGTGAAACTCGGCTCAGCGCACACCTGTACAGA
TGATGTAATGCGTGAAAAGCTAAACATTGGATACATAGAAGACCTAAAGGCTCAGATTCAGAATCCC
ATATGCTGGAGATGTTAGCATGTTCTTGTGCTTCCAGATGAAATGCCGATGTGTCCACTGGCTGGAG
CTGCTGGAAAGTAAAATACCTATGACAACTCAACAAGTGGACCAGCAAAGACAAAATGGCTGAAGATG
AAGTTGAGGTATACATACCCAGTTCAAATTAGAAGAGCATTATGAACTCAGATCCATTCTGAGAAGCAT
GGGCATGGAGGACGCTTCAACAAGGGACGGGCAATTTCTCAGGGATGTCGGAGAGGAATGACCTGTTT
CTTTCTGAAGTGTCCACCAAGCCATGGTGGATGTGAATGAGGAGGGCACTGAAGCAGCCCTGGCACAG
GAGGTGTTATGACAGGGAGAAGTGGACATGGAGGCCACAGTTTGTGGCAGATCATCCTTTCTTTTTCT
TATTATGCATAAGATAACCAACTGCATTTATTTTTCGGCAGATTTCTCACC

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227583 representing NM_001143818
 Red=Cloning site Green=Tags(s)

MEDLCVANTL FALNLFKHLAKASPTQNLFLSPWSISSTAMVYMGSRGSTDQMAKVLQFNEVGANAVTP
 MTPENFTSCGFMQIQKGSYPDAILQAQAADKIHSSFRSLSSAINASTGNYLLESVNKLFGEKSASFRE
 YIRLCQKYYSSEPAVDLFLECAEEARKKIYSWKVTQTKGKIPNLLPEGSVDGDRMVLVNAVYFKGKWK
 PFEKLNGLYPFRVNSAQRTVPQMMYLREKLNIGYIEDLKAQILELPYAGDVSMFLLL PDEIADVSTGLE
 LLESEITYDKLNKWT SKDKMAEDEVEVYIPQFKLEEYELRSILRSMGMEDAFNKGRANFSGMSERNDLF
 LSEVFHQAMVDVNEEGTEAAAGTGGVMTGRTGHGGPQFVADHPFLFLIMHKITNCILFFGRFSSP

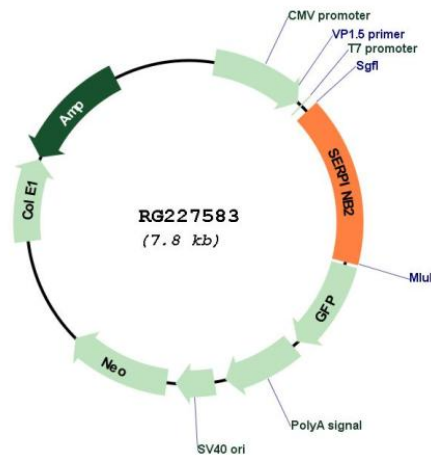
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001143818

ORF Size:	1245 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001143818.1 , NP_001137290.1
RefSeq Size:	2180 bp
RefSeq ORF:	1248 bp
Locus ID:	5055
UniProt ID:	P05120
Cytogenetics:	18q21.33-q22.1
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	Inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1.[UniProtKB/Swiss-Prot Function]