

Product datasheet for **SC123476**

Protein C (PROC) (BC034377) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protein C (PROC) (BC034377) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protein C
Synonyms:	protein C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC034377 edited
 CCGCGAATTGTCAGTATCTCCACGACCCGCCCTACAGGTGCCAGTGCCTCCAGAATGTG
 GCAGCTACAAGCCTCTGCTGTTCTGTCGTCACCTGGGAATTTCCGGCACACCAGCTCC
 TCTTGACTCAGTGTCTCCAGCAGCGAGCGTGCCACCAGGTGCTGCGGATCCGCAAACG
 TGCCAACCTCTTCTGGAGGAGCTCCGTACAGCAGCCTGGAGCGGGAGTGCATAGAGGA
 GATCTGTGACTTCGAGGAGGCCAAGGAAATTTTCAAAAATGTGGATGACACACTGGCCTT
 CTGGTCCAAGCACGTGACGGTGACCAAGTCTTGGTCTTGCCTTGGAGCACCCGTGCGC
 CAGCCTGTGCTGCGGGCACGGCACGTGCATCGACGGCATCGGCAGCTTTCAGCTGCGACTG
 CCGCAGCGGCTGGGAGGGCCGCTTCTGCCAGCGGAGGTGAGCTTCTCAATTGCTCTCT
 GGACAACGGCGGCTGCACGCATTACTGCCTAGAGGAGGTGGGCTGGCGGCGCTGTAGCTG
 TGCGCCTGGTACAAGCTGGGGACGACCTCTGCAGTGTACCCCGCAGTGAAGTTCCC
 TTGTGGGAGGCCCTGGAAGCGGATGGAGAAGAAGCGCAGTCACTGAAACGAGACACAGA
 AGACCAAGAAGACCAAGTAGATCCGCGGCTCATTGATGGGAAGATGACCAGGCGGGGAGA
 CAGCCCCTGGCAGGTGGTCTGTGGACTCAAAGAAGAAGCTGGCCTGCGGGGACAGTGT
 CATCCACCCTCTGGGTGCTGACAGCGGCCACTGCATGGATGAGTCCAAGAAGCTCCT
 TGTGAGGCTTGGAGAGTATGACCTGCGGCGCTGGGAGAAGTGGGAGCTGGACCTGGACAT
 CAAGGAGGTCTTCTGCCACCCCAACTACAGCAAGAGCACCCGACAATGACATCGCACT
 GCTGCACCTGGCCAGCCCGCCACCCTCTCGCAGACCATAGTGCCCATCTGCCTCCCGGA
 CAGCGGCTTGCAGAGCGCGAGCTCAATCAGGCCGGCCAGGAGACCCTCGTGACGGGCTG
 GGGCTACCACAGCAGCCGAGAGAAGGAGGCCAAGAGAAACCGCACCTTCGTCTCAACTT
 CATCAAGATCCCGTGGTCCCGCACAATGAGTGCAGCGAGGTGATGAGCAACATGGTGTG
 TGAGAACATGCTGTGCGGGCATCCTCGGGGACCGCAGGATGCCTGCGAGGGCGACAG
 TGGGGGGCCCATGGTCCCTCCTTCCACGGCACCTGGTTCCTGGTGGGCTGGTGTGAGCTG
 GGGTGAGGGCTGTGGGCTCCTTCACTACGGGTTTACACAAAGTACGCCGCTACCT
 CGACTGGATCCATGGGCACATCAGAGACAAGGAAGCCCCCAGAAGAGCTGGGCACCTTA
 GCGACCCTCCCTGCAGGGCTGGGCTTTTGCATGGCAATGGATGGGACATTAAGGGACAT
 GTAACAAGCACACCGGCTGCTGTTCTGTCTTCCATCCCTTTTGGGCTCTTCTGGAG
 GGAAGTAACTTTACTGAGCACCTGTTGTATGTCACATGCCTTATGAATAGAATCTTAAC
 TCCTAGAGCAACTCTGTGGGTGGGAGGAGCAGATCCAAGTTTTGCGGGGTCTAAAGCT
 GTGTGTGTTGAGGGGATACTCTGTTTATGAAAAAGAATAAAAAACACAACCACGAAAAA
 AA

5' Read Nucleotide Sequence: >OriGene 5' read for BC034377 unedited
 CATATTTGTATACGACTCATATAGGCGCCGGAATTCGGGATCGGCGAATTTGCAGT
 ATCTCCACGACCCGCCCTACAGGTGCCAGTGCCTCCAGAATGTGGCAGCTCACAAAGCCT
 CCTGCTGTTCTGTCGTCACCTGGGAATTTCCGGCACACCAGCTCCTCTTGACTCAGTGT
 CTCCAGCAGCGAGCGTCCCACCAGGTGCTGCGGATCCGCAAACGTGCCAACTCCTTCT
 GGAGGAGCTCCGTACAGCAGCCTGGAGCGGGAGTGCATAGAGGAGATCTGTGACTTCGA
 GGAGGCCAAGGAAATTTTCAAAAATGTGGATGACACACTGGCCTTCTGGTCCAAGCACGT
 CGACGGTGACCAGTGTGGTCTTGCCTTGGAGCACCCGTGCGCCAGCCTGTGTGCGG
 GCACGGCACGTGCATCGACGGCATCGGCAGCTTTCAGTGCAGTGCAGCGGCTGGGA
 GGGCCGCTTCTGCCAGCGCGAGGTGAGCTTCTCAATTGCTCTCTGGACACGGCGGCTGC
 ACGCATTACTGCCTANAGGAGGTGGGCTGGCGGCGCTGTAGCTGTGCGCCTGGCTACAAG
 CTGGGGGACGACCCTCTGCAGTGTACCCCGCAGTGAAAGTCCCTTTGTGGAGGCCCTGN
 NAGCGGATGGAGAAAAGCGCAGTCNCCTGAACGAGACNCAGAGACCCAGAGACCAGTGGA
 TCCGCGGCTATTGATGGAAGATGACCCAGCGGAGACGCCCTGCAGGTGGTCTGCT
 GGACTCAAAGAAAACTGCCCGCGGCGAGTGTCAATACCCCTCCTGGTGTGAAAGC
 GGCCACTGGATGGATGATTCAAAAACCTCCTGTGAGGCTTGGAAATATGACCTGCGCCCC
 TGGAAATGGGACCTGACCTGGACAATAGGAGG

Restriction Sites: Please inquire
ACCN: BC034377

Insert Size:	1792 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).
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:	BC034377.1 , AAH34377.1
RefSeq Size:	1792 bp
Locus ID:	5624
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Complement and coagulation cascades
Gene Summary:	This gene encodes a vitamin K-dependent plasma glycoprotein. The encoded protein is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form contains a serine protease domain and functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in this gene have been associated with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis.[provided by RefSeq, Dec 2009]