

## Product datasheet for **TP306582**

### Protein C (PROC) (NM\_000312) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein C (inactivator of coagulation factors Va and VIIIa) (PROC), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206582 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MWQLTSLLLFVATWGISGTPAPLDSVFSSSERAHQVLRIRKRANSFLEELRHSSLERECIEEICDFEAK EIFQNVDDTLAFWSKHVDGDQCLVPLEHPCASLCCGHGTCIDGIGSFSCDCRSWEGRFCQREVSFLNC SLDNGGCTHYCLEEVGWRRCSAPGYKLGDDLLQCHPAVKFPCGRPWKRMEKKRSHLKRDTEDQEDQVDP RLIDGKMTRRGDSPWQVLLDSKKKLACGAVLIHPSWVLTAAHCMDESKLLVRLGEYDLRRWEKWELDL DIKEVHVHPNYSKSTTDNDIALHQAQATLSQTIVPICLPDSGLAERELNQAQQETLVGTWGYHSSREK EAKRNRTFVLFNIKIPVPHNECSEVMSNMVSENMLCAGILGDRQDACEGDSGGPMVASFHGTWFLVGLV SWGEGCGLLHNYGVYTKVSRYLWDWIHGHIRDKEAPQKSWAP</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	50 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000303](#)

Locus ID: 5624

UniProt ID: [P04070](#)

RefSeq Size: 1790

Cytogenetics: 2q14.3

RefSeq ORF: 1383

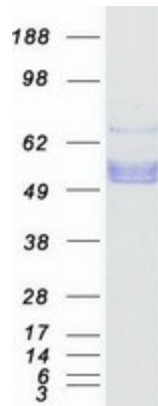
Synonyms: APC; PC; PROC1; THPH3; THPH4

**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]

**Protein Families:** Druggable Genome, Protease

**Protein Pathways:** Complement and coagulation cascades

### Product images:



Coomassie blue staining of purified PROC protein (Cat# TP306582). The protein was produced from HEK293T cells transfected with PROC cDNA clone (Cat# [RC206582]) using MegaTran 2.0 (Cat# [TT210002]).