

## Product datasheet for TP507344

### Proc (NM\_001042768) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein C (Proc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207344 protein sequence Red=Cloning site Green=Tags(s)

MWQFRVFLLLMSTWGISSIPAHDPVFSSEHAHQVLRVRRANSFLEEMRPGSLERECMEEICDFEEAQE  
IFQNVEDTLAFWIKYFDGDQCSAPPLDHQCDSPPCGHGTCIDGIGSFSCSDKGWEGKFCQQELRFQDCR  
VNNGGCLHYCLEESNGRRACAPGYELADDDHMRCKSTVNFPCGKLGRIEKKRILKRDTLEDELEPDP  
RIVNGTLTKQGDSPWQAILLDSKKKLACGGVLIHTSWVLTAHCVETGKTLVRLGEYDLRRRDHWELDL  
DIKEILVHPNYTRSSSDNDIALLRQAQATLSKTIVPICLPNNGLAQELTQAGQETVVTGWGYQSDRIKD  
GRRNRFTILFIRIPLVARNECVEMKNVSENMLCAGIIGDTRDADCGDSSGPMVVFFRGTWFLVGLVS  
WGEGCGHTNNYGIYTKVGSYLKWIHSYIGEGKGVSLKSQKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	51.8 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001036233</a>
Locus ID:	19123



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UniProt ID: [P33587](#)

RefSeq Size: 1671

Cytogenetics: 18 B1

RefSeq ORF: 1383

Synonyms: P; PC

**Summary:** This gene encodes the vitamin K-dependent protein C, which plays a vital role in the anticoagulation pathway. The encoded protein undergoes proteolytic processing including activation by thrombin-thrombomodulin complex to form the anticoagulant serine protease that degrades activated coagulation factors. A complete lack of the encoded protein in mice results in severe perinatal consumptive coagulopathy in the brain and liver, resulting in death within 24 hours after birth. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate the mature protein. [provided by RefSeq, Sep 2015]