

## Recombinant Rat PROC Protein (42-461 aa), His-tagged

**Cat. No.** PROC-2432R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat PROC Protein (42-461 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length of Mature Protein.
<b>Species</b>	Rat
<b>Source</b>	Yeast
<b>ProteinLength</b>	42-461 aa
<b>Description</b>	Protein C is a vitamin K-dependent serine protease that regulates blood coagulation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids. Exerts a protective effect on the endothelial cell barrier function.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	49.3 kDa
<b>AA Sequence</b>	ANSFLEEV RAGSLERECMEEICDFEEAQEIFQNVEDTLAFWIKYFDGDQCSTPPLDH QCDSPPCCGHGTCIDGLGGFSCSCDKGWEGRFCQQEMGFQDCRVKNGGCYHYCL EETRGRRCRCAPGYELADDHMHCRPTVNFPCGKLVKRTDKKRKNFKRDIDPEDEE LELGPRIVNGTLTKQG DSPWQAILLDSKKKLAGGGVLIHTSWVL TAAHCLESSK KLTV RLGEYDLRRRDPWELDLDIKEVLVHPNYTRSNSDNDIALLRLSQPATLSKTIVPICLPN SGLAQELSQAGQETVVTGWGYQSDKVKDGRNRRTFILTFIRIPLAARNDCMQVMNN VVSENMLCAGIIGDTRDACDGDSSGPMVVFFRGTWFLVGLVSWGEGCGHLNNYGV

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YTKVGSYLKWIHSYIGERDVSLKSPKL

**Purity** > 85% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** Proc protein C, inactivator of coagulation factors Va and VIIIa [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol** PROC

**Synonyms** Proc;

**Gene ID** 25268


**mRNA Refseq** NM\_012803

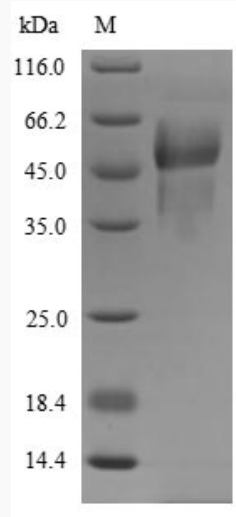
**Protein Refseq** NP\_036935

**UniProt ID** P31394


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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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