

Product datasheet for MR226259

Procr (NM_011171) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Procr (NM_011171) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Procr
Synonyms:	AI325044; Ccca; Ccd41; Epcr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226259 representing NM_011171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACGAAGTTTCTGCCGCTACTGCTGCTGCTGCTGCCTGGCTGCGCCCTTTGTAACCTCGATGGCT
CCCAAAGCCTGCATATGCTCCAGATCTCCTATTTCCAAGACAACCATCATGTGAGGCATCAGGGCAACGC
CTCTCTGGGAAACTCCTGACACACACGCTGGAAGGCCAGCCAAAACGTCACCATCCTCCAGCTACAG
CCCTGGCAGGATCCGGAGAGCTGGGAGCGCACAGAGAGTGGCCTGCAGATCTATCTGACCCAGTTTCAA
GCCTGGTGAAGCTGGTATATCGCGAGCGCAAGGAGAACGTGTTCTTTCTCTCACTGTTAGCTGCTCCCT
GGGCTGCGAGCTGCCGGAGGAGGAGGAGGGCTCTGAACCCCATGTCTTCTTCGATGTGGCCGTGAAT
GGAAGCGCTTTTGTAAAGTTTCCGGCCAAAGACTGCCGTGTGGGTGTGAGGCTCCCAGGAGCCCTCCAAAG
CAGCCAACTTCACCCTGAAGCAGCTCAATGCCTACAACCGGACTCGGTATGAACTGCAGGAATTTCTTCA
GGACACTTGTGTGGAGTTCTGGAGAACCACATCACCACGAAAACATGAAAGGGAGCCAAACAGGTCGC
TCTTACACATCACTGGTCTGGGCATCCTGATGGGCTGTTTCATAATCGCTGGTGTGGCCGTGGGCATCT
TCATGTGCACAAGTGGACGGCGTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR226259 representing NM_011171
 Red=Cloning site Green=Tags(s)

MLTKFLPLLLLLPGCALCNSDGSQSLHMLQISYFQDNHHVHRHQGNASLGKLLTHTLEGPSQNVITLQLQ
 PWQDPESWERTESGLQIYLTQFESLVKLVYRERKENVFFPLTVSCSLGCELP EEEEEEGSEPHVFFDVAVN
 GSAFVSRPKTAVWVSGSQEPSKAANFTLKQLNAYNRTRYELQEF LQDTCVEFLENHITTQNMKGSQTGR
 SYTSLVLGILMGCFIIAGVAVGIFMCTSGRRRC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9030_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011171

ORF Size: 726 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:

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_011171.2](#), [NP_035301.2](#)

RefSeq Size: 1504 bp

RefSeq ORF: 729 bp

Locus ID: 19124

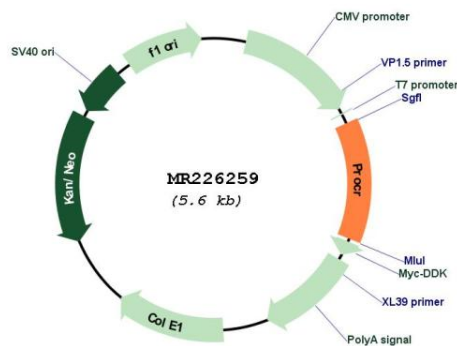
UniProt ID: [Q64695](#)

Cytogenetics: 2 H1

MW: 27.6 kDa

Gene Summary: Binds activated protein C. Enhances protein C activation by the thrombin-thrombomodulin complex; plays a role in the protein C pathway controlling blood coagulation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226259