

Recombinant Rat PCSK1 Protein (111-752 aa), His-tagged

Cat. No. PCSK1-2091R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PCSK1 Protein (111-752 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	Yeast
ProteinLength	111-752 aa
Description	Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Substrates include POMC, renin, enkephalin, dynorphin, somatostatin, insulin and AGRP.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	73.2 kDa
AA Sequence	SVPRDSALNLFNDPMWNQQWYLQDTRMTASLPKLDLHVIPVWQKGITGKGVVITVL DDGLEWNHTDIYANYDPEASYDFNDNDHDPFPRYDPTNENKHGTRCAGEIAMQAN NHKCGVGVAYNYSKVGIRMLDGIIVTDAIEASSIGFNPGHVDIYSASWGPNDGKTVE GPGRLAQKAFEYGVKQGRQKGKSIFVWASGNNGRQGDNCDCDGYTDSIYTISISSA SQQGLSPWYAEKCSSTLATSYSYSGDYTDQRITSADLHNDCTETHTGTSASAPLAAGI FALALEANPNLTWRDMQHLVVWTSEYDPLANPNPGWKKNAGLMVNSRFGFGLLNA KALVDLADPRTWRNVPEKKECIKDNNFEPRALKANGEVIVEIPTRACEGQENAINSL

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EHVQFEATIEYSRRGDLHVTLTSAAGTSTVLLAERERDTSPNGFKNWDFMSVHTWG
ENPVGTWTLKVTDMSGRMQNEGRIVNWKLILHGTSSQPEHMKQPRVYTSYNTVQN
DRRGVEKMNNVVEEKPTQNSLNGNLLVPKNSSSSSVEDRRDEQVQGAPSKAMLRL
LQSAFSKNTPSKQSSKIPSAKLSVPYEGLYEALEKLNKPSQLEDSSEDSLYSDYVDVF
YNTKPYKHRDDRLLQALMDILNEKN

Purity > 90% 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 with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [Pcsk1 proprotein convertase subtilisin/kexin type 1 \[Rattus norvegicus \]](#)

Official Symbol [PCSK1](#)

Synonyms PCSK1; NEC 1; prohormone convertase 1; BDP; PC1; PC3;

Gene ID [25204](#)

mRNA Refseq [NM_017091](#)

Protein Refseq [NP_058787](#)

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