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 NHKCGVGVAYNSKVGGIRMLDGIVTDAIEASSIGFNPGHVDIYSASWGPNDDGKTVE GPGRLAQKAFEYGVKQGRQGKGSIFVWASGNGGRQGDNCDCDGYTDSIYTISISSA SQQGLSPWYAEKCSSTLATSYSSGDYTDQRITSADLHNDCTETHTGTSASAPLAAGI FALALEANPNLTWRDMQHLVVWTSEYDPLANNPGWKKNGAGLMVNSRFGFGLLNA KALVDLADPRTWRNVPEKKECIIKDNNFEPRALKANGEVIVEIPTRACEGQENAINSL

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

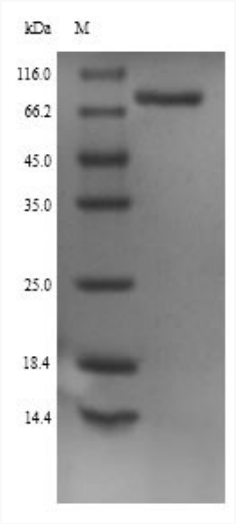
	EHVQFEATIEYSRRGDLHVTLTSAAGTSTVLLAERERDTSPNGFKNWDFMSVHTWG ENPVGTWTLKVTDMSGRMQNEGRIVNWKLILHGTSSQPEHMKQPRVYTSYNTVQN DRRGVEKMVNVVEEKPTQNSLNGNLLVPKNSSSSSVEDRRDEQVQGAPSKAMLRL LQSAFSKNTPSKQSSKIPSAKLSVPYEGLYEALEKLNKPSQLEDSEDSLYSDYVDVF YNTKPYKHRDDRLLQALMDILNEKN
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated 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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UniProt ID	P28840



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

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