



Recombinant Rat Neuroendocrine convertase 2 (Pcsk2)

Product Code	CSB-EP017642RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P28841
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	GY RDINEIDINM NDPLFTKQWY LFNTGQADGT PGLDLNVAEA WELGYTGKGV TIGIMDDGID YLHPDLAYNY NSDASYDFSS NDPYPYPRYT DDWFNSHGTR CAGEVSAAS NNICGVGVAY NSKVAGIRML DQPFMTDIE ASSISHMPQL IDIYSASWGP TDNGKTVDGP RELTLQAMAD GVNKGRGGKG SIYVWASGDG GSYDDCNCDDG YASSMWTISI NSAINDGRTA LYDESCSSTL ASTFSNGRKR NPEAGVATTD LYGNCTLRHS GTSAAAPEAA GVFALALEAN VDLTWRDMQH LTVLTSKRNQ LHDEVHQWRR NGVGLFNLH FGYGVLDAGA MVKMAKDWKT VPERFHCVGG SVQNPEKIPP TGKLVLTQT NACEGKENFV RYLEHVQAVI TVNATRGRDL NINMTSPMGT KSILLSRRPR DDDSKVGFDK WPFMTHTHWG EDARGTWLE LGFVGSAPQK GLLKEWTLML HGTQSAPYID QVVRDYQSKL AMSKKQELEE ELDEAVERS LSILRKN
Source	E.coli
Target Names	Pcsk2
Protein Names	Recommended name: Neuroendocrine convertase 2 Short name= NEC 2 EC= 3.4.21.94 Alternative name(s): KEX2-like endoprotease 2 Prohormone convertase 2 Proprotein convertase 2 Short name= PC2
Expression Region	109-637
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein is a proinsulin-processing enzyme that plays a key role in regulating insulin biosynthesis. It is also known to cleave proopiomelanocortin, proenkephalin, prodynorphin and proluteinizing-hormone-releasing hormone. The use of alternate polyadenylation sites has been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.