



# Recombinant Human Neuroendocrine convertase 2 (PCSK2)

<b>Product Code</b>	CSB-YP017642HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P16519
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	G YRDINEIDIN MNDPLFTKQW YLINTGQADG TPGLDLNVAE AWELGYTGKG VTIGIMDDGI DYLHPDLASN YNAEASYDFS SNDPYPYPRY TDDWFNSHGT RCAGEVSAAA NNNICGVGVA YNSKVAGIRM LDQPFMTDII EASSISHMPQ LIDIYSASWG PTDNGKTVDG PRELTLQAMA DGVNKGRRGGK GSIYVWASGD GGSYDDCNCD GYASSMWTIS INSAINDGRT ALYDESCSST LASTFSNGRK RNPEAGVATT DLYGNCTLRH SGTSAAAPEA AGVFALALEA NLGLTWRDMQ HLTVLTSKRN QLHDEVHQWR RNVGGLFNFH LFGYGVLDAG AMVKMAKDWK TVPERFHCVG GSVQDPEKIP STGKLVLTLT TDACEGKENF VRYLEHVQAV ITVNATRRGD LNINMTSPMG TKSILLSRRP RDDDSKVGFD KWPFMTTHTW GEDARGTWTL ELGFVGSAPQ KGVLEKWTLM LHGTQSAPYI DQVVRDYQSK LAMSKKEELE EELDEAVERS LKSILNKN
<b>Source</b>	Yeast
<b>Target Names</b>	PCSK2
<b>Protein Names</b>	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
<b>Expression Region</b>	110-638
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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### 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.