Neuroendocrine Convertase 2 (PCSK2) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Neuroendocrine convertase 2 (PCSK2), Recombinant Protein
Full Product Name	Recombinant Bovine Neuroendocrine convertase 2 (PCSK2) , partial
Product Gene Name	PCSK2 recombinant protein
Product Synonym Gene Name	PCSK2
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	70,247 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9GLR0
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PCSK2 recombinant protein	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.
Other Notes	Small volumes of PCSK2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PCSK2 purchase	MBS1349057 is a recombinant protein targeting PCSK2. Also known as Recombinant Bovine Neuroendocrine convertase 2 (PCSK2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCSK2. It may not necessarily be applicable to this product.

NCBI GI #	27806047
NCBI GeneID	281968
NCBI Accession #	NP_776838.1
UniProt Primary Accession #	Q9GLR0
UniProt Related Accession #	Q9GLR0
GenBank Nucleotide #	NM_174413.3

NCBI Official Full Name	neuroendocrine convertase 2
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 2
NCBI Official Symbol	PCSK2
UniProt Protein Name	Neuroendocrine convertase 2
UniProt Synonym Protein Names	Prohormone convertase 2; Proprotein convertase 2; PC2
Protein Family	Neuroendocrine convertase
UniProt Gene Name	PCSK2
UniProt Synonym Gene Names	NEC 2; PC2
NCBI Protein Information	neuroendocrine convertase 2
UniProt Comments for PCSK2	Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Responsible for the release of glucagon from proglucagon in pancreatic A cells ().
Research Articles on PCSK2	**1.** Prohormone convertase PC2 expression is up-regulated in a cell-specific manner in bovine neuroendocrine ocular ciliary epithelium.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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