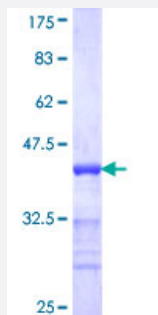


PCSK1 (Human) Recombinant Protein (Q01)

Catalog # H00005122-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PCSK1 partial ORF (NP_000430, 652 a.a. - 753 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GGRRDELEEGAPSEAMLRLLQSAFSKNSPPKQSPKKSPTAKLNIPYENFYEALEKLNKPSQLKD SEDSLYNDYVDVFYNTKPYKHRDDRLLQALVDILNEEN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.96
Interspecies Antigen Sequence	Mouse (84)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PCSK1

Entrez GeneID [5122](#)

GeneBank Accession# [NM_000439](#)

Protein Accession# [NP_000430](#)

Gene Name PCSK1

Gene Alias BMIQ12, NEC1, PC1, PC3, SPC3

Gene Description proprotein convertase subtilisin/kexin type 1

Omim ID [162150](#) [600955](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene 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 type I proinsulin-processing enzyme that plays a key role in regulating insulin biosynthesis. It is also known to cleave proopiomelanocortin, prorenin, proenkephalin, prodynorphin, prosomatostatin and progastrin. Mutations in this gene are thought to cause obesity. This encoded protein is associated with carcinoid tumors. The use of alternate polyadenylation sites has been found for this gene. Multiple alternatively spliced transcript variants have been described for this gene but their full length nature is not known. [provided by RefSeq]

Other Designations

neuroendocrine convertase 1|prohormone convertase 1|prohormone convertase 3|proprotein convertase 1

Disease

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Prediabetic State](#)
- [Puberty](#)
- [Syndrome](#)
- [Thrombophilia](#)

- [Tobacco Use Disorder](#)