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Datasheet for ABIN1989721
PCSK1 Protein (AA 1-753) (GST tag)

Overview

Quantity:	25 µg
Target:	PCSK1
Protein Characteristics:	AA 1-753
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCSK1 protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	PCSK1 (Human) Recombinant Protein (P01)
Sequence:	MERRAWSLQC TAFVLFCAWC ALNSAKAKRQ FVNEWAAEIP GGPEAASAIA EELGYDLLGQ IGSLENHYLF KHKNHPRRSR RSAFHITKRL SDDDRVIWAE QQYEKERSKR SALRDSALNL FNDPMWNQQW YLQDTRMTAA LPKLDLHVIP VWQKGITGKG VVITVLDDGL EWNHTDIYAN YDPEASYDFN DNDHDPFPRY DPTNENKHGT RCAGEIAMQA NNHKCGVGVA YNSKVG GIRM LDGIVTDAIE ASSIGFNPGH VDIYSASWGP NDDGKTVEGP GRLAQKAF EY GVKQGRQGKG SIFVWASGNG GRQGDNCDCD GYTDSIYTIS ISSASQQGLS PWYAEKCSST LATSYS SGGDY TDQRITSADL HNDCTETHTG TSASAPLAAG IFALALEANP NLTWRDMQHL VVWTSEYDPL ANNPGWKKN G AGLMVNSRFG FGLLNAKALV DLADPRTWRS VPEKKECVVK DNDFEPRALK ANGEVIEIP TRACEGQENA IKSLEHVQFE ATIEYSRRGD LHVTLTSAAG TSTVLLAERE RDTSPNGFKN WDFMSVHTWG ENPIGTWTLR ITDMSGRIQN EGRIVNWKLI LHGTSSQPEH MKQPRVYTSY NTVQNDRRGV EKMVDPGEEQ PTQENPKENT LVSKSPSSSS VGGRRDELEE

Product Details

GAPSQAMLRL LQSAFSKNSP PKQSPKKSPS AKLNIPYENF YEALEKLNKP SQLKDSEDSL
YNDYVDVFYN TKPYKHRDDR LLQALVDILN EEN

Characteristics: Human PCSK1 full-length ORF (NP_000430.3, 1 a.a. - 753 a.a.) recombinant protein with GST tag at N-terminal.

Purification: in vitro wheat germ expression system

Target Details

Target: PCSK1

Alternative Name: PCSK1 ([PCSK1 Products](#))

Background: Synonyms: BMIQ12,NEC1,PC1,PC3,SPC3
Gene Description: proprotein convertase subtilisin/kexin type 1
Gene Name: PCSK1
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.

Molecular Weight: 110.6 kDa (theoretical)

Gene ID: 5122

NCBI Accession: [NM_000439](#)

Pathways: [Peptide Hormone Metabolism](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

Storage Comment: Best use within three months from the date of receipt of this protein.