

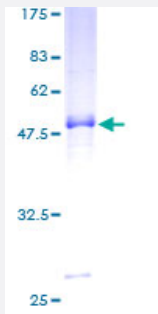
Full-Length

PCSK4 (Human) Recombinant Protein (P01)

Catalog # H00054760-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCSK4 full-length ORF (AAH36354, 1 a.a. - 242 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGTRSTLVAIRPLDVSTEGYNNWVFMSTHFWDENPQGVWTLGLENKGYFNTGTLRYTLLLYGT
AEDMTARPTGPQVTSSACVQRDTEGLCQACDGPAYILGQLCLAYCPRFFNHTRLVTAGPGHTA
APALRVCSSCHASCYTCRGGSPRDCTSCPPSSTLDQQQGSCMGPTTPDSRPRLRAAACPDDR
CPASAMVLSLLAVTLGGPVLCGMSMDLPLYAWLSRARATPTKPQVWLPAGT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

52.36

Interspecies Antigen Sequence

Mouse (65); Rat (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 — PCSK4

Entrez GeneID [54760](#)

GeneBank Accession# [BC036354](#)

Protein Accession# [AAH36354](#)

Gene Name PCSK4

Gene Alias DKFZp434B217, MGC34749, PC4, SPC5

Gene Description proprotein convertase subtilisin/kexin type 4

Omim ID [600487](#)

Gene Ontology [Hyperlink](#)

Gene Summary Proprotein convertases, including PCSK4, are calcium-dependent serine proteases related to bacterial subtilisins and to yeast kexin. These enzymes process precursor proteins to their active forms by selective cleavage of the polypeptide at sites following paired basic amino acids. In mammals, this family comprises PC1 (MIM 162150), PC2 (MIM 162151), PC4, PC5 (MIM 600488), furin (FUR; MIM 136950), and PACE4 (MIM 167405). Substrates for these enzymes range from prohormones to precursors for growth factors to cell surface receptors and viral surface glycoproteins (Cao et al., 2001 [PubMed 11776387]).[supplied by OMIM]

Other Designations OTTHUMP00000158677

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)