

Full-Length

SERPINB9 (Human) Recombinant Protein (P01)

Catalog # H00005272-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SERPINB9 full-length ORF (AAH02538, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

METLSNASGTF AIRLLKILCQDNPSHNVFCSPVSISSALAMVLLGAKGNTATQMAQALSLNTEEDIH
RAFQSLLTEVNKAGTQYLLRTANRLFGEKTCQFLSTFKESCLQFYHAELKELSFIRAAEESRKHINT
WVSKKTEGKIEELLPGSSIDAETRLVLVNAIFYKGKWNPFDETYTREMPFKINQEEQRPVQMMYQ
EATFKLAHVGEVRAQLLELPYARKELSLLVLLPDDGVELSTVEKSLTFEKLTAWTKPDCMKSTEV
EVLLPKFKLQEDYDMESVLRHLGMDAFQQGKADLSAMSAERDLCLSKFVHKSFVEVNNEEGTEA
AAASSCFVVAECCMESGPRFCADHPFLFFIRHNANSILFCGRFSSP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.10

Interspecies Antigen Sequence

Mouse (69); Rat (69)

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 — SERPINB9

Entrez GeneID[5272](#)**GeneBank Accession#**[BC002538](#)**Protein Accession#**[AAH02538](#)**Gene Name**

SERPINB9

Gene Alias

CAP-3, CAP3, PI9

Gene Description

serpin peptidase inhibitor, clade B (ovalbumin), member 9

Omim ID[601799](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

PI9 belongs to the large superfamily of serine proteinase inhibitors (serpins), which bind to and inactivate serine proteinases. These interactions are involved in many cellular processes, including coagulation, fibrinolysis, complement fixation, matrix remodeling, and apoptosis (Sprecher et al., 1995 [PubMed 8530382]).[supplied by OMIM]

Other Designations

OTTHUMP00000015954|protease inhibitor 9 (ovalbumin type)|serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9