

SERPINA3 (Human) Native Protein

Catalog # P4947

Size 100 ug

Specification

Product Description

Human SERPINA3 native protein from normal human plasma.

Sequence

MERMLPLLALGLLAAGFCPAVLCHPN SPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQL
VLKAPDKNVIFSP LSISTALAFSLGAHNTTLTEILKGLKFNL TETSEAEIHQS FQHLLRTL NQSSDEL
QLSMGNAMFVKEQLSLLDRFTEDAKRLYGSEAFATDFQDSAAAKKLINDYVKN GTRGKITDLIKDL
DSQTMMLVLVNYFFKAKWEMPFD PQDTHQSRFYL SKKKWVMVPMMSLHHL TIPYFRDEELSCTV
VELKYTGNASALFILPDQDKMEEVEAMLLPETLKRWRDSLEFREIGELYLPKFSISR DYNLNDILLQ
LGIEEAFTSKADLSGITGARNLAVSQVVHKAVLDVFEEGTEASAATAVKITLLSALVETR TIVRFNRP
FLMIVPTDTQNIFFMSKV TNP KQA

Host

Human

Theoretical MW (kDa)

64

Form

Lyophilized

Preparation Method

Native protein purified from normal human plasma.

Purity

> 90% by SDS-PAGE

Storage Buffer

Lyophilized from 20 mM Tris-HCl, 150 mM NaCl, pH 7.4.

Storage Instruction

Store at -80°C on dry atmosphere.

Reconstitute 0.1 mg of the protein with 0.1 mL of reagent grade water to generate a 1 mg/mL solution. Allow the protein solution to sit for 10 minutes with gentle agitation prior to use. After reconstitution with reagent grade water, store at -60°C or lower.

Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — SERPINA3

Entrez GeneID	12
Protein Accession#	P01011
Gene Name	SERPINA3
Gene Alias	AACT, ACT, GIG24, GIG25, MGC88254
Gene Description	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
Omim ID	107280
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a plasma protease inhibitor and member of the serine protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by RefSeq]
Other Designations	alpha-1-antichymotrypsin antichymotrypsin growth-inhibiting protein 24 growth-inhibiting protein 25 serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 serine (or cysteine) proteinase inhibitor, clade A, memb

Disease

- [Acute Disease](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alzheimer disease](#)
- [Aneurysm](#)
- [Asthma](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)

- [Cerebral Hemorrhage](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Encephalitis](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Metabolic Syndrome X](#)
- [Multiple System Atrophy](#)
- [Myocardial Infarction](#)

- [Myocardial Ischemia](#)
- [Myositis](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Vasculitis](#)
- [Wegener Granulomatosis](#)