

Alpha-1-antichymotrypsin Recombinant Protein | SERPINA3 recombinant protein

Alpha-1-antichymotrypsin, 24-423aa, Human, His tag, E Coli

CATALOG # AAA48618	HOST E Coli	APPLICATIONS SDS-Page
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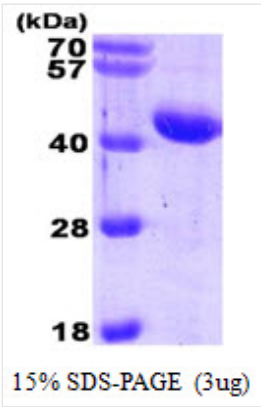
PRODUCT SYNONYMS

Alpha-1-antichymotrypsin; 24-423aa; Human; His tag; E Coli; Serpin peptidase inhibitor clade A member 3; AACT; ACT; GIG24; GIG25; SERPINA3; Serpin peptidase inhibitor; clade A; member 3 Cell growth inhibiting gene 24/25 protein; Growth inhibiting protein 24; Antichymotrypsin; Growth inhibiting protein 25; MGC88254; Serine (or cysteine) proteinase inhibitor clade A (alpha 1 antiproteinase; antitrypsin) member 3; Serine (or cysteine) proteinase inhibitor clade A member 3; Serine proteinase inhibitor clade A member 3; Serpin peptidase inhibitor clade A (alpha 1 antiproteinase antitrypsin) member 3.; SERPINA3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MHPNSPLDEE NLQENQDRG THVDLGLASA NVDFAFSLYK QLVLKAPDKN VIFSPLSIST ALAFLSLGAH NTTLTEILKG LKFNLTTETSE AEIHQSFQHL LRTLNQSSDE LQLSMGNAMF VKEQLSLLDR FTEDAKRLYG SEAFATDFQD SAAAKKLIND YVKNGTRGKI TDLIKDLDSQ TMMVLVNYIF FKAKWEMPFD PQDTHQSRFY LSKKKWVMVP MMSLHHLTIP YFRDEELSCT VVELKYTGNA SALFILPDQD KMEEVEAMLL PETLKRWRDS LEFREIGELY LPKFSISRDI NLNDILLQLG IEEAFTSKAD LSGITGARNL AVSQVVHKAV LDVFEEGTEA SAATAVKITL LSALVETRTI VRFNRPFLMI IVPTDTQNIF FMSKVTNPKQ A
Sequence Length	423
Applicable Applications for SERPINA3 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	24-423aa
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassia blue stain

ADDITIONAL INFORMATION

Related Product Information for SERPINA3 recombinant protein	Alpha-1-antichymotrypsin 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. Recombinant alpha-1-antichymotrypsin protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for SERPINA3 recombinant protein	Proteases & Inhibitors
References	Kamboh MI., et al. (2006) Neurobiol Aging. 27 (10):1435-9. ; Tachikawa H., et al. (2001) J Hum Genet. 46 (1):45-7.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076
NCBI GenBank Nucleotide #	NM_001085.4
UniProt Accession #	P01011 ; Q13703 ; Q2TU87 ; Q2TU88 ; Q59GP9 ; Q6LBY8 ; Q6LDT7 ; Q6NSC9 ; Q8N177 ; Q96DW8 ; Q9UC47 ; B3KVV7
Molecular Weight	47.6 kDa (421aa), confirmed by MALDI-TOF.
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin family A member 3
NCBI Official Symbol	SERPINA3
NCBI Official Synonym Symbols	ACT; AACT; GIG24; GIG25
NCBI Protein Information	alpha-1-antichymotrypsin
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT; ACT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/serpina3-recombinant-protein-e-coli-sds-page/48618>