

?1-antichymotrypsin, 24-423 aa, Human, His-tag, E.coli

Cat.NO.: TP01173

3th Edition

Synonyms:Serpin peptidase inhibitor, clade A, member 3; AACT; ACT; GIG24; GIG25; SERPINA3.

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT.

Molecular Weight:47.6 kDa (421aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMHPNSPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQLVLKAPDKNVIFSP
LSISTALAFSLSLGAHNTTLTEILKGLKFNLTTETSEAEIHQS FQHLLRTL NQSSDELQLSMGNAMFVKEQLSLLDRFTED
AKRLYGSEAFATDFQDSAAAKKLINDYVKNGTRGKITDLIKDLDSQTMMVLVNYIFFKAKWEMPFPDQDTHQSRFYL
SKKKWVMVPMMSLHHLTIPYFRDEEL SCTVVELKYTGNASALFILPDQDKMEEVEAMLLPETLKRWRDSLEFREIG
ELYLPKFSISR DYNLNDILLQLGIEEAFTSKADLSGITGARNLAVSQVVHKAVLDVFEEGTEASAATAVKITLLSALVET
RTIVRFNRPF LMIIVPTDTQNIFFMSKVTNPKQA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.