

32-4808: Recombinant Human Alpha-1 AntiChymotrypsin

Alternative Name Alpha-1-antichymotrypsin,ACT,Cell growth-inhibiting gene 24/25
:
protein,SERPINA3,AACT,A1ACT,GIG24,GIG25,MGC88254.

Description

Source : Escherichia Coli. SERPINA3 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 421 amino acids (24-423 a.a.) and having a molecular mass of 47.6 kDa. The SERPINA3 is purified by proprietary chromatographic techniques. Alpha 1 ACT is an early-stage acute-phase plasma protein and a serpin that preferentially inactivates chymotrypsin, cathepsin G, and chymase. Alpha-1-ACT, a serine protease inhibitor, is tightly associated with amyloid plaques in Alzheimer's disease (AD) and in normal aged human and monkey brain. Regulation of the serine proteases and serine protease inhibitors plays an important role in neuromuscular differentiation. Prostate specific antigen (PSA), a chymotrypsin-like serine protease, is predominantly complexed to Alpha-1-ACT.

Product Info

Amount : 25 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The SERPINA3 solution contains 20mM Tris-HCl buffer pH-8, 1mM DTT, and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MHPNSPLDEE NLTQENQDRG THVDLGLASA NVDFAFSLYK
QLVLKAPDKN VIFSPLSIST ALAFLSLGAH NTTLTELKKG LKFNLTTETSE AEIHQSFQHL
LRTLNQSSDE LQLSMGNAMF VKEQLSLLDR FTEDAKRLYG SEAFATDFQD SAAAKKLIND
YVKNTRGKI TDLIKDLDSQ TMMVLVNYIF FKAKWEMPFD PQDTHQSRFY LSKKKWVMVP
MMSLHHLTIP YFRDEELSCT VVELKYTGNA SALFILPDQD KMEEVEAMLL PETLKRWRDS
LEFREIGELY LPKFSISRDI NLNDILLQLG IEEAFTSKAD LSGITGARNL AVSQVVHKAV
LDVFEEGTEA SAATAVKITL LSALVETRTI VRFNRPFLMI IVPTDTQNI FMSKVTNPKQ A.

