

BA042X**Human Alpha-1-antichymotrypsin / ACT - Purified****Alternate names:**

AACT, Cell growth-inhibiting gene 24/25 protein, GIG24, GIG25, SERPINA3

Quantity:

1 mg

Concentration:

2.96 mg/ml (prior to lyophilization)

Background:

The protein 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. Variation 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.

Uniprot ID:[P01011](#)**NCBI:**[NP_001076.2](#)**GeneID:**[12](#)**Species:**

Human

Source:

Plasma, Human Plasma

Format:**State:** Lyophilized purified fraction (95% pure by SDS-PAGE).**Purity:** >95%**Buffer System:** 20 mM Tris, pH 7.4, containing 150 mM Sodium chloride**Reconstitution:** Restore with 0.375 ml deionized water.**Storage:**

Store prior to reconstitution at 2-8°C, following reconstitution store at 2-8°C for one month or at -20 to -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Caution:

All human source materials have tested negative for HIV1, HIV2, HCV antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.