

Product datasheet for **BA042X**

Alpha-1-antichymotrypsin / ACT Human Protein

Product data:

Product Type:	Native Proteins
Description:	Alpha-1-antichymotrypsin / ACT human protein, 1 mg
Species:	Human
Protein Source:	Plasma
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Lyophilized purified fraction (95% pure by SDS-PAGE). Buffer System: 20 mM Tris, pH 7.4, containing 150 mM Sodium chloride
Reconstitution Method:	Restore with 0.375 ml deionized water.
Preparation:	Lyophilized purified fraction (95% pure by SDS-PAGE).
Note:	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.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001076
Locus ID:	12
Cytogenetics:	14q32.13
Synonyms:	AACT; ACT; GIG24; GIG25



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Summary:

The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. 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, Jun 2020]

Protein Families:

Druggable Genome, Secreted Protein