

Recombinant Human α -1 Antitrypsin (rhAAT)

Catalog	Unit
TBP0174-0.5	0.5 mg
TBP0174-1	1 mg
TBP0174-5	5 mg

Description

Tribioscience rhAAT is produced in rice grain using a patented rice endosperm expression system, ensuring a highly purified, animal-free product with excellent safety and consistency. Composed of 384 amino acids, rhAAT closely mirrors native human AAT. Its plant-based origin eliminates the risk of animal-borne contaminants, making it a safer choice for use as an antigen in IVD reagents.

Specification

Source: Rice Grain (*Oryza Sativa*)

Appearance: White lyophilized powder

Molecular weight: 46.7 kDa

Purity: More than 90% as determined by SDS-PAGE

Endotoxin: Less than 1 EU/ μ g

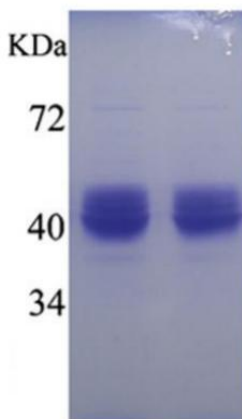
Functional Activity: 3–5 mg of rhAAT inhibits the activity of 1 mg porcine pancreatic elastase (PPE, activity: 10.8 IU/mg protein)

Storage: Stored at temperatures -20°C for at least 36 months

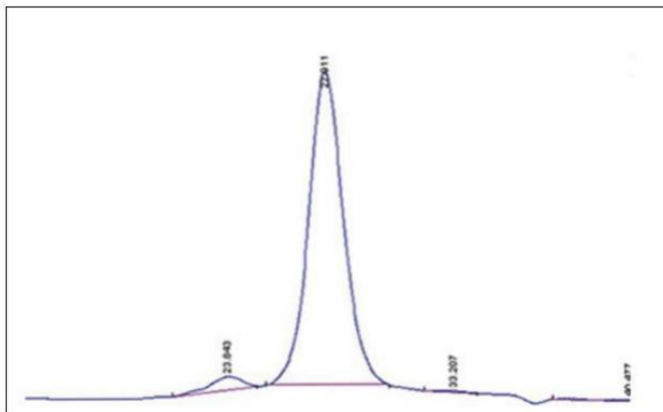
Applications: antigen of IVD reagents

Image:

1. SDS-PAGE



2. HPLC Analysis



For research use only