



## Recombinant Mouse Alpha-1-Antichymotrypsin (a1ACT)

### Protein

Catalog No.: TP09000 50µg

#### Sequence Information

**Species:** Mouse

**Gene ID:**

**Swiss Prot:**Q91WP6

**Synonyms:**Serpina3n

**Residues:**Phe21-Lys418

FPDGTLGMDAAVQEDHDNGTQLDSLTLASINTDFAFSLYKELVLKNPDKNIVFSPLSISAALAVMSLGA  
KGNTLEEIILEGLKFNLTETSEADIHQGFHLLQRLNQPKDQVQISTGSALFIEKRQQILTEFQEAKAKTL  
YQAEAFATADFQQPRQAKKLINDYVRKQTQGMIKELVSDLDKRTLMVLVNYIYFKAKWKVPFDPLDTFKS  
EFYAGKRRPVIVPMMSMEDLTPYFRDEELSCTVVELKYTGNASALFILPDQGRMQQVEASLQPETLRK  
WKNSLKPRLMIDELHLPKFSISTDYSLEDVLSKLGIREVFSTQADLSAITGTKDLRVSQVVHKAVLDVAE  
TGTEAAAATGVKFPMSAKLYPLTVYFNRPFLLIMIFDTETEIAFFIAKIANPK

#### Product Information

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:**

**Tags:** Two N-terminal Tags

**Subcellular Location:** Cell membrane; Lipid-anchor, GPI-anchor.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.2, 5% Trehalose.

**Original Concentration:** 500ug/mL

**Applications:** SDS-PAGE; WB;

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 5.4

**Predicted Molecular Mass:** 48.4kDa

**Accurate Molecular Mass:** 48kDa as determined by SDS-PAGE reducing conditions.

#### **[ USAGE ]**

Reconstitute in PBS (pH8.0) or ddH<sub>2</sub>O to a concentration of 0.1-0.5mg/mL. Do not vortex.

#### **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

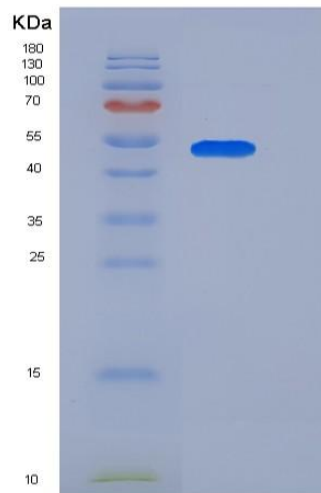
Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at



37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## **[ IDENTIFICATION ]**



**Figure 1. SDS-PAGE**

## **[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.