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Recombinant Bovine Aprotinin

Product Number: CK0701

Characteristics:

Source: E. coli

Description: Aprotinin (Arg36-Ala93)

Accession # P00974

Predicted molecular mass: 6.5 kDa

Specification:

Appearance: White powder, Colorless clear liquid after reconstitution

Purity: $\geq 95\%$, by SDS-PAGE (under conditions, visualized by Coomassie staining)

Endotoxin: ≤ 100 EU/mg by the LAL method

Activity: ≥ 8000 KIU/mg. Trypsin unit: 1 μmol of N-benzoyl-L-arginine-ethylester (BAEE) that can be hydrolyzed per second is 1 trypsin unit.

Enzyme activity unit: The activity that can inhibit 1 trypsin unit is called 1 aprotinin activity unit (EPU).

Note: Another commonly used active unit is KIU (Kallikrein Inhibitor Unit). 1 EPU \approx 1800 KIU.

Formulation: Lyophilized from a 0.2 μm filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Size: 50 μg /vial, 1 mg/vial

Handling and Storage:

Reconstitution: It is recommended to redissolve in sterile deionized water.

Shipping: The product is shipped with blue ice.

Storage & Stability: 36 months at 2°C to 8°C in lyophilized state; 6 months at -20°C to -80°C under sterile conditions after reconstitution; 7-10 days at 2°C to 8°C under sterile conditions after reconstitution. **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**