Rat Thiostatin

Catalog No. 8820

Analysis SDS PAGE: Major ~70 kDa doublet

Purity ≥95%

Concentration 0.25 - 2 mg/ml

Buffer 10 mM sodium phosphate (pH 7.2), 150 mM NaCl, 0.05% sodium azide, 1 mM benzamidine

Storage -80°C. Avoid repeated freeze-thaws

Source Fresh frozen rat serum

Rat thiostatin, is a serum protein with an apparent molecular weight of ~70 kDa. It is a cysteine proteinase inhibitor that is also a positive acute phase reactant. Its levels can increase as much as five-fold or more as a result of inflammation, tissue injury and disease. Thiostatin is also known as T-kininogen, α1-cysteine protease inhibitor and alpha-1 major acute phase protein. It is purified using a combination of affinity, gel filtration and ion-exchange chromatography steps.