

## CST3 PROTEIN

产品名称: CST3 蛋白

货号: 10157

产品全名: CST3 蛋白

基因符号: Cystatin C, Cystatin 3, CYSC

**Source:** Human, recombinant full length, His6-tag

**Expression 种属反应性:** E. coli

分子量: 16 kDa

纯化: >95% by SDS-PAGE

**Introduction:** Cystatin C, which belongs to the type 2 cystatin gene family, is a potent inhibitor of lysosomal proteinases. It regulates the activity of cathepsin S, a protease with central regulatory functions in retinal pigment epithelial (RPE) cells.

**Amino Acid Sequence** (1-146)

**MAGPLRAPLLLLLAILAVALAVSPAAGSSPGKPPRLVGGPMDASVEEEGVRRALDFAVGEYNKASNDMYHSRALQVVRARKQIVAGVNYFLDVELGRITCTKTQPNLDNCPFHQPHLKRKAFCSFQIYAVPWQGTMTLSKSTCQDA**

**Properties**

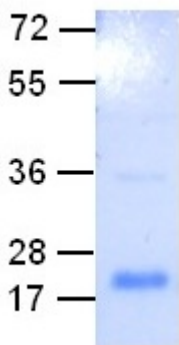
**Physical Appearance (form):** Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.

**Physical Appearance (form):** White or clear

**Concentration:** 1 mg/ml

**Storage:** -80°C

**Preparation Instructions:** Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM  $\beta$ -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl  $\beta$ -D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged CST3 was determined by SDS- PAGE and Coomassie Brilliant Blue Staining.



**References:** 1. Paraoan, L. et al., Traffic 5: 884-895, 2004. 2. Ratnayaka, A. et al., Exp. Eye Res. 84: 1135-1139, 2007. 3. Zurdel, J. et al., Brit. J. Ophthal. 86: 214-219, 2002.