



Recombinant Protein Technical Manual
Recombinant Mouse Cystatin 7/CST7 Protein (His
Tag)
RPES0341

Product Data:

Product SKU: RPES0341

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: O89098

Protein Information:

Molecular Mass: 15.4 kDa

AP Molecular Mass: 18 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cystatin-F; Cystatin-like Metastasis-Associated Protein; Leukocystatin; CMAP; Cystatin-7; Cst7;

Immunogen Information:

Sequence: Ala19-Gln144

Background:

Mouse Cystatin F belongs to cystatin superfamily, which encompasses proteins that contain multiple cystatin-like sequences. It has been shown that Cystatin F is selectively expressed by hematopoietic cells and may be a biomarker for both liver metastasis and inflammatory lung disorders. Mouse Cystatin F inhibits papain and cathepsin L but with affinities lower than other cystatins. It may play a role in immune regulation through inhibition of a unique target in the hematopoietic system.