



Recombinant Protein Technical Manual
Recombinant Mouse Cystatin 8/CST8 Protein (His
Tag)
RPES0321

Product Data:

Product SKU: RPES0321

Size: 10µg

Species: Mouse

Expression host: E. coli

Uniprot: P32766

Protein Information:

Molecular Mass: 13.3 kDa

AP Molecular Mass: 15 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.

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

Application:

Synonyms: Cystatin-8; Cystatin-related epididymal spermatogenic protein; Cystatin-related epididymal-specific protein

Immunogen Information:

Sequence: Met1-Phe98

Background:

Cystatin-8 is a secreted protein which belongs to the cystatin family. It is Lower expression in the testis. Within the testis it is localized to the elongating spermatids, whereas within the epididymis it is exclusively synthesized by the proximal caput epithelium. It performs a specialized role during sperm development and maturation.