

## Recombinant Mouse Cystatin 8/CST8 Protein (His Tag)

Catalog No. PKSM040998

### Description

<b>Synonyms</b>	Cystatin-8; Cystatin-related epididymal spermatogenic protein; Cystatin-related epididymal-specific protein
<b>Species</b>	Mouse
<b>Expression_host</b>	E.coli
<b>Sequence</b>	Met1-Phe98
<b>Accession</b>	P32766
<b>Mol_Mass</b>	13.3 kDa
<b>AP_Mol_Mass</b>	15 kDa
<b>Tag</b>	N-6His

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### 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.