

Recombinant Mouse Cystatin 8/CST8 Protein (His Tag)

Catalog No. PKSM040998

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Cystatin-8;Cystatin-related epididymal spermatogenic protein;Cystatin-related epididymal-specific protein
Species	Mouse
Expression Host	E.coli
Sequence	Met1-Phe98
Accession	Q62426
Calculated Molecular Weight	13.3 kDa
Observed molecular weight	15 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
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-HCl, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	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.

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