



Recombinant Protein Technical Manual

Recombinant Mouse Cathepsin B/CTSB Protein (His Tag)

RPES4639

Product Data:

Product SKU: RPES4639

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P10605

Protein Information:

Molecular Mass: 36.4 kDa

AP Molecular Mass: 32-50kDa

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: 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 PBS, pH 7.4.

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

Application:

Synonyms: Cathepsin B;Ctsb;Cathepsin B1

Immunogen Information:

Sequence: Met 1-Phe 339

Background:

Cathepsin B (CatB) is an enzymatic protein belonging to the peptidase (or protease) families. It is the first described member of the family of lysosomal cysteine proteases. It is known to process a number of proteins, including pro and active caspases, prorenin and secretory leucoprotease inhibitor (SLPI). It is believed to participate in intracellular degradation and turnover of proteins. Cathepsin B may play a role in activation and inactivation of caspases, activation of renin and inactivation of SLPI, the key steps in apoptosis, angiotensin production, and progression of emphysema, respectively. Cathepsin B may also have a role in invasion and metastasis.