

Recombinant Mouse Cathepsin B/CTSB Protein (His Tag)

Catalog No. PKSM040956

Description

Synonyms	Cathepsin B;Ctsb;Cathepsin B1
Species	Mouse
Expression_host	HEK293 Cells
Sequence	His18-Phe339
Accession	P10605
Mol_Mass	36.4 kDa
AP_Mol_Mass	32-50kDa
Tag	C-6His
Bio_activity	Testing in progress

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 PBS, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

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.

SDS-PAGE

