

Recombinant Mouse CTSB

Catalog No: CJ65

Description	Recombinant Mouse Cathepsin B is produced by our Mammalian expression system and the target gene encoding His18-Phe339 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Cathepsin B; Ctsb; Cathepsin B1
Accession No.	P10605
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Amino Acid Sequence	<p>HDKPSFHPLSDDLINYNKQNTTWQAGRNFYNDISYLKKLCGTVLGGPKLPGRVAFGEDIDLPEFDAR</p> <p>EQWSNCPTIGQIRDQSGSCGSCWAFGAVEAISDRTCIHTNGRVNVEVSAEDLLTCCGIQCGDGCNGGY</p> <p>PSGAWSFWTKKGLVSGGVYNHVGCLPYTIPPCEHHVNGSRPPCTGEGDTPRCNKSC EAGYSPSYK</p> <p>EDKHFGYTSYSVNSVKEIMAEIYKNGPVEGAFTVFSDFLTYKSGVYKHEAGDMMGGHAIRILGWGVE</p> <p>NGVPYWLAAANSWNLDWGDNGFFKILRGENHCGIESEIVAGIPRTDQYWGRFVDHHHHHH</p>
Background	<p>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.</p>

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