

## Product datasheet for **TP727274**

### Ctsb Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Cathepsin B/CTS B (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	His18-Phe339
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	13030
UniProt ID:	<a href="#">P10605</a>
Summary:	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.



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