

Recombinant Human Cathepsin Z Protein

Cat.NO.: TP05567

3th Edition

Synonyms:Cathepsin Z; Cathepsin P; Cathepsin X; CTSZ

Description:Cathepsin Z is a lysosomal cysteine proteinase and belongs to the peptidase C1 family. Human Cathepsin Z contains a signal sequence, a propeptide and a mature chain. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. In contrast to cathepsin B, it does not act as an endopeptidase. Cathepsin Z is restricted to the cells of the immune system, predominantly monocytes, macrophages and dendritic cells. It is expressed ubiquitously in cancer cell lines and primary tumors. Like other members of this family, Cathepsin Z may be involved in tumorigenesis.

Form:PBS

Molecular Weight:32.5 kDa

Sequences:Gly24-Val303

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.