

Recombinant Mouse Cathepsin D Protein

Cat.NO.: TP05711

3th Edition

Synonyms:Cathepsin D; CTSD;CPSD

Description:CTSD localizes to the lysosome and consists of a light chain and a heavy chain. CTSD is expressed in epithelial cells as well as in macrophages.CTSD is a lysosomal aspartyl protease that depends critically on protonation of its active site Asp residue and gets activated at pH 5 in endosome of hepatocytes. It has been suggested to facilitate cancer cell migration and invasion by digesting the basement membrane, extracellular matrix and connective tissue. In addition, CTSD has been used as a breast cancer tumor marker.

Form:PBS

Molecular Weight:43.9 kDa

Sequences:Met 1-Leu 410

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.