

Ctsd, 21-410aa, Mouse, His-tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP01776

3th Edition

Synonyms:Cathepsin D, Ctsd, CatD, CD

Description:Ctsd, also known as cathepsin D, is peptidase belonging to the family of aspartic peptidases. It is intracellular catabolism in lysosomal compartments, other physiological effect include hormone and antigen processing. It plays an important role in α -synuclein degradation, and neuronal survival. It has also been shown to mediate apoptosis induced by various stimuli and p53-dependent tumor suppression. Recombinant mouse Ctsd, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:44.0kDa (398aa), 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

IIRIPLRKFTSIRRTMTEVGGSVEDLILKGPITKYSMQSSPKTTEPVSELLKNYLDAQYYGDIGIGTPPQCFTVVFDTGS
SNLWVPSIHCKILDIACWVHHKYNSDKSSTYVKNGTSFDIHYGSGSLSGYLSQDTSVPCSKDQSKARGIKVEKQIF
GEATKQPGIVFVAAKFDGILGMGYPHISVNNVLPVFDNLMQQKLVKDNIFSYLNRPDPEGQPGGELMLGGTDSKYY
HGELSYLNVTRKAYWQVHMDQLEVGNELTLCKGGCEAIVDTGTSLLVGPVEEVKELQKAIGAVPLIQGEYMIPCEK
VSSLPTVYLKLGKKNYELHPDKYILKVSQGGKTICLSGFMGMDIPPPSGPLWILGDVFIGSYTTFDRDNNRVGFAN
AVVLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

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.