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CTSD(heavy chain) Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20803c

Specification

CTSD(heavy chain) Blocking Peptide (Center) - Product Information

Primary Accession	P07339
Other Accession	P18242, P80209

CTSD(heavy chain) Blocking Peptide (Center) - Additional Information

Gene ID 1509

Other Names
Cathepsin D, Cathepsin D light chain, Cathepsin D heavy chain, CTSD, CPSD

Target/Specificity
The synthetic peptide sequence is selected from aa 241-253 of HUMAN CTSD

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CTSD(heavy chain) Blocking Peptide (Center) - Protein Information

Name CTSD

Synonyms CPSD

Function
Acid protease active in intracellular protein breakdown. Plays a role in APP processing following cleavage and activation by

CTSD(heavy chain) Blocking Peptide (Center) - Background

Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

CTSD(heavy chain) Blocking Peptide (Center) - References

Faust P.L.,et al.Proc. Natl. Acad. Sci. U.S.A. 82:4910-4914(1985).
Westley B.R.,et al.Nucleic Acids Res. 15:3773-3786(1987).
Redecker B.,et al.DNA Cell Biol. 10:423-431(1991).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

ADAM30 which leads to APP degradation (PubMed:27333034). Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

Cellular Location
Lysosome. Melanosome. Secreted, extracellular space. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. In aortic samples, detected as an extracellular protein loosely bound to the matrix (PubMed:20551380)

Tissue Location
Expressed in the aorta extracellular space (at protein level) (PubMed:20551380). Expressed in liver (at protein level) (PubMed:1426530).

CTSD(heavy chain) Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides