

32-7364: Recombinant Human Cathepsin D/CTSD (C-6His)

Gene : CTSD
Gene ID : 1509
Uniprot ID : P07339

Description

Source: Human Cells.
MW :43.8kD.

Recombinant Human Cathepsin D is produced by our Mammalian expression system and the target gene encoding Leu21-Leu412 is expressed with a 6His tag at the C-terminus. The protein acid protease active in intracellular protein breakdown and involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease. It is specificity similar to, but narrower than, that of pepsin A and it does not cleave the 4-Gln-|-His-5 bond in B chain of insulin. It consists of a light chain and a heavy chain and expressed in the aorta extracellular space. The Val-58 allele is significantly overrepresented in demented patients (11.8%) compared with non-demented controls (4.9%). Carriers of the Val-58 allele have a 3.1-fold increased risk for developing AD than non-carriers. It belongs to the peptidase A1 family

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : LVRIPLHKFTSIRRTMSEVGGSVEDLIAGPVSQAVPAVTEGPIPEVLKNYMDAQYYGEIGITPPQCFTVVF
DTGSSNLWVPSIHCKLLDIACWIIHHKYNSDKSSTYVKNGTSTFDIHYGSGSLSGYLSQDTVSVPCQSASSASALG
GVKVERQVFGAATKQPGITFIAAKFDGILGMAYPRISVNNVLPVFDNLMQQKLVDQNIFSFYLSRDPDAQPGGE
LMLGGTDSKYYKGSLSYLVNTRKAYWQVHLDQVEVASGLTLCKEGCEAIVDTGTSLMVGVPVDEVRELQKAIGA
VPLIQGEYMIPCEKVSTLPAILKLGKGYKLSPEYTLKVSQAGKTLCLSGFMGMDIPPPSGPLWILGDVFIGRY
YTVFDRDNNRVGFAEAARLHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.