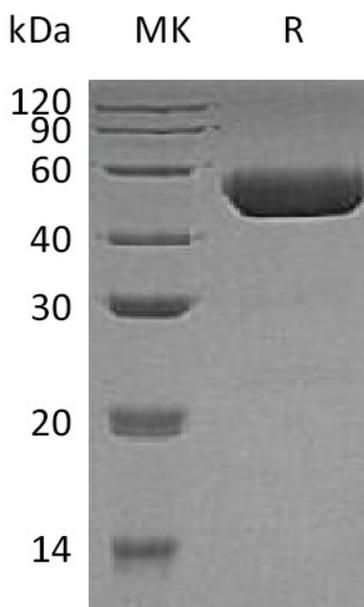


Summary

Name	Cathepsin D/CTSD
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	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.
Accession #	P07339
Host	Human Cells
Species	Human
Predicted Molecular Mass	43.6 KDa
Formulation	Supplied as a 0.2 μ m filtered solution of 20mM MES, 150mM NaCl, pH 5.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Product Name: Recombinant Human CTSD (C-6His)
Catalog #: PHH0242



Alternative Names

Cathepsin D; CTSD; CPSD

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.