

Recombinant Human CTSV, His-tagged

Cat. No. CTSV-55H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cathepsin L2 produced by transfected human cells is a secreted protein with sequence (Val18-Val384) of Human CTSL2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	18-384 a.a.
Description	Cathepsin L2 belongs to the Peptidase C1 family. Cathepsin L2 can be autocatalytically converted to the mature form as a proenzyme in lysosomes at pH=7.0. Cathepsin L2 cannot be expressed in normal mammary gland, colon and peritumoral tissue, but it can be expressed in breast carcinomas and colorectal tissues. These suggests Cathepsin L2 may play a role in tumor processes. Cathepsin L2 is specifically expressed in the testis, thymus, and corneal epithelium.
Form	Supplied as a 0.2 µM filtered solution of 20mM MES, 150mM NaCl, pH 5.5
AA Sequence	VPKFDQNLDTKWYQWKATHRRLYGANEEGWRRRAVWEKNMKMIELHNGEYSQ GK HGFTMAMNAFGD MTNEEFRQMMGCFRNQKFRKGKVFREPLFLDLPKSVDWRKK GYVTPVKNQKQCGSCWAFSATGAL EGQMFRKTGKLVSLSEQNLVDCSRPQGNQG CNGGFMARAFQYVKENGGLDSEESYPYVAVDEICK YRPENSVANDTGFTVVAPGK EKALMKAVATVGPISVAMDAGHSSFQFYKSGIYFEPDCSSKNLDH GVLVVGYGFE G ANSNNSKYWLVKNSWGP EWGSNGYVKIAKDKNNHCGIATAASYPNVVDHHHHHH

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at Please minimize freeze-thaw cycles.

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