

Cathepsin S Inhibitor Screening Kit (Fluorometric)

Cat. No. Kit-2353 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cathepsin S (CTSS, EC 3.4.22.27) is a lysosomal cysteine proteinase that is suggested to participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. Cathepsin S Inhibitor Screening Kit utilizes the ability of Cathepsin S to cleave the synthetic AFC based peptide substrate to release AFC, which can be easily quantified using a fluorometer or fluorescence microplate reader. In the presence of a Cathepsin S inhibitor, the cleavage of the substrate is reduced/abolished resulting in decrease or total loss of the AFC fluorescence. This high-throughput adaptable assay kit is simple, sensitive, and rapid tool to screen the potential inhibitors of Cathepsin S.
Applications	Screen/study/characterize potential inhibitors of Cathepsin S.
Storage	-20°C
Shipping	Gel Pack
Size	100 assays
Kit Components	CTSS Reaction Buffer; Cathepsin S (human); CTSS Substrate, Z-VVR-AFC (10 mM); CTSS Inhibitor (Z-FF-FMK, 1 mM)
Detection method	Fluorescence (Ex/Em = 400/505 nm)
Features & Benefits	Simple & convenient; High-throughput adaptable assay to screen/study/characterize the potential inhibitors

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

of Cathepsin S;
Cathepsin S inhibitor, Z-FF-FMK is included in the kit

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA