
Cathepsin L Substrate Peptide

Subcategory: Substrate Peptide, Synthetic Peptide

Cat. No.: 350014

Unit: 1 mg

Description:

This peptide is a fluorogenic substrate for cathepsin L and plasmin, peptidase C1 family members that cleave at Arg-Xaa and Lys-Xaa sites within proteins. The peptide is labeled with rhodamine 110, a highly fluorescent dye upon substrate cleavage (Abs/Em = 497/520 nm).

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Cathepsin L; Major excreted protein; MEP; CTSL

Accession No.: P07711

MW: 1728.3 g/mol

Sequence: (Z-Phe-Arg)₂-R110

Composition: C₆₆H₇₀Cl₂N₁₂O₁₁

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

Product Citations: Petrey et al. 2012. Research Article. Disease Models and Mechanisms. 5(2): 177-190. PMID# 22046029.

For research use only, not for diagnostic or therapeutic procedures.