Creative Enzymes®

caspase-7

Cat. No. EXWM-4236

Lot. No. (See product label)

Introduction

Description	Caspase-7 is an effector/executioner caspase, as are caspase-3 (EC 3.4.22.56) and caspase-6 (EC 3.4.22.59). These caspases are responsible for the proteolysis of the majority of cellular polypeptides [e.g. poly(ADP-ribose) polymerase (PARP)], which leads to the apoptotic phenotype. Although a hydrophobic residue at P5 of caspase-2 (EC 3.4.22.55) and caspase-3 leads to more efficient hydrolysis, the amino-acid residue at this location in caspase-7 has no effect. Caspase-7 is activated by the initiator caspases [caspase-8 (EC 3.4.22.61), caspase-9 (EC 3.4.22.62) and caspase-10 (EC 3.4.22.63)]. Removal of the N-terminal prodomain occurs before cleavage in the linker region between the large and small subunits. Belongs in peptidase family C14.
Synonyms	CASP-7; ICE-like apoptotic protease 3; ICE-LAP3; apoptotic protease Mch-3; Mch3; CMH-1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.22.60
CAS No.	189258-14-8
Reaction	Strict requirement for an Asp residue at position P1 and has a preferred cleavage sequence of Asp-Glu-Val-Asp┼
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.