Creative Enzymes®

proprotein convertase 1

Cat. No. EXWM-4185

Lot. No. (See product label)

Introduction

Description	A Ca2+-dependent enzyme, maximally active at about pH 5.5. Substrates include pro-opiomelanocortin, prorenin, proenkephalin, prodynorphin, prosomatostatin and proinsulin. Unlike prohormone convertase 2, does not hydrolyse proluteinizing-hormone-releasing-hormone. Unusually, processing of prodynorphin occurs at a bond in which P2 is Thr. Present in the regulated secretory pathway of neuroendocrine cells, commonly acting co-operatively with prohormone convertase 2. In peptidase family S8 (subtilisin family)
Synonyms	prohormone convertase 3; neuroendocrine convertase 1; PC1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.93
CAS No.	99676-46-7
Reaction	Release of protein hormones, neuropeptides and renin from their precursors, generally by hydrolysis of -Lys-Arg┼ bonds
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 ℃.