Creative Enzymes®

dipeptidase E

Cat. No. EXWM-4035

Lot. No. (See product label)

Introduction

Description	A free carboxy group is not absolutely required in the substrate since Asp-Phe-NH2 and Asp-Phe-OMe are hydrolysed somewhat more slowly than dipeptides with free C-termini. No peptide larger than a C-blocked dipeptide is known to be a substrate. Asp-NH-Np is hydrolysed and is a convenient substrate for routine assay. The enzyme is most active near pH 7.0, and is not inhibited by di-isopropylfluorophosphate or phenylmethanesulfonyl fluoride. Belongs in peptidase family S51.
Synonyms	aspartyl dipeptidase; peptidase E; PepE gene product (Salmonella typhimurium)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.13.21
Reaction	Dipeptidase E catalyses the hydrolysis of dipeptides Asp┼Xaa. It does not act on peptides with N-terminal Glu, Asn or Gln, nor does it cleave isoaspartyl peptides
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 ℃.