

glutamate carboxypeptidase II

Cat. No. EXWM-4074 Lot. No. (See product label)

Introduction	
Synonyms	A metallo-carboxypeptidase that is predominantly expressed as a membrane- bound enzyme of 94-100 kDa, but also exists in a soluble form. Hydrolyses α- peptide bonds in Ac-Asp-Glu, Asp-Glu, and Glu-Glu, but also γ-glutamyl bonds in γ- Glu-Glu, and folylpoly-γ-glutamates. With folylpoly-γ-glutamates, shows processive carboxypeptidase activity to produce pteroylmonoglutamate. Does not hydrolyse Ac-β-Asp-Glu. Known inhibitors: quisqualic acid, Ac-β-Asp-Glu, and 2- phosphonomethyl-pentanedioate. In peptidase family M28 of Vibrio leucyl aminopeptidase. The release of C-terminal glutamate from folylpoly-γ-glutamates is also catalysed by EC 3.4.17.11 (glutamate carboxypeptidase) and EC 3.4.19.9 (γ- Glu-X carboxypeptidase).
Synonyms	specific membrane antigen; pteroylpoly- γ -glutamate carboxypeptidase; microsomal γ -glutamyl carboxypeptidase; pteroylpolyglutamate hydrolase; folylpolyglutamate hydrolase; pteroylpoly- γ -glutamate hydrolase; pteroylpoly γ glutamyl hydrolase; pteroylpolyglutamate hydrolase; pteroylpolyglutamate hydrolase; pteroylpolyglutamate hydrolase; pteroylpolyglutamate hydrolase; pteroylpolyglutamate hydrolase; pteroylpolyglutamate hydrolase; PSM antigen; acetylaspartylglutamate dipeptidase; NAALA dipeptidase; rat NAAG peptidase; mGCP; membrane glutamate carboxypeptidase; N-acetylated- α -linked-amino dipeptidase; prostrate-specific membrane antigen; N-Acetylated α -linked acidic dipeptidase; PSMA
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 3.4.17.21
CAS No.	9074-87-7
Reaction	Release of an unsubstituted, C-terminal glutamyl residue, typically from Ac-Asp-Glu or folylpoly- γ -glutamates
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 °C for short term. For long term storage, store it at -20 °C~-80 °C.