

Carboxypeptidase G

C755300

Store at 2-8°C long term (12 months). Upon reconstitution, it is recommended to aliquot.

Product Introduction

Carboxypeptidase G or γ -Glutamyl hydrolase, has been used in a study to assess the role of the putidaredoxin COOH-terminus in P-450cam (cytochrome m) hydroxylations. Carboxypeptidase G from *Pseudomonas* sp. has also been used in a study to investigate the effects of nitric oxide on pemetrexed cytotoxicity via NO-cGMP signaling in lung adenocarcinoma cells.

Specification

1. Product Overview: Active Recombinant *Pseudomonas* sp. Carboxypeptidase G2 was expressed in *E.coli*.
2. Species: *Pseudomonas* sp.
3. Source: *E.Coli*.
4. Form: White Powder.
5. Purity: $\geq 95\%$ by SDS-PAGE.
6. Unit Definition: One unit will convert methotrexate to 1.0 μ mole L-glutamic acid per minute at pH7.3 at 30 centigrade.
7. CAS No.: 9074-87-7.

Gene information

1. Official Symbol: CPG2.
2. Synonyms: Carboxypeptidase G2; CPG2.