Recombinant Aeromonas Aminopeptidase

Cat. No. Aminopeptidase-86A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The 29 kDa Aeromonas Aminopeptidase is produced by genetic engineering and can be used for physical & structural investigations, sequence and amino-terminal determinations. This exopeptidase recognizes a specific stop sign at –X- Pro and requires a free a-amino group in the L-configuration. It is therefore suitable for the removal of the redundant N-terminal methionine often added to engineered recombinant proteins.
Species	Aeromonas
Source	Aeromonas Proteolytica
Physical Appearance	Sterile filtered liquid formulation. (446U/ml).
Purity	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Formulation	Buffered solution containing 10 mM Tris-HCL, 100 mM NaCl and 5 μM $ZnSO_4$, pH 8.0.
Unit Defenition	One unit is defined as the amount of enzyme that hydrolyses 1μmole of L-leucine p-nitroanilide at 25°C per 1 minute.
Biological Activity	Recombinant Aeromonas Aminopeptidase was found to have an activity of 120 Units/mg protein.
Stability	Two years when stored at –20°C, 2 weeks at 4°C.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Synonyms	Aminopeptidase, Bacterial leucyl aminopeptidase, EC 3.4.11.10; Aeromonas proteolytica aminopeptidase; EC 3.4.11.1; EC 3.4.11.5; LAP; LAPEP; PEPS; Leucine aminopeptidase; Leucyl aminopeptidase; Peptidase S; Proline aminopeptidase; Prolyl aminopeptidase; leucine aminopeptidase 3; leucyl aminopeptidase; leucine aminopeptidase; leucyl peptidase; peptidase S; cytosol aminopeptidase; cathepsin III; L-leucine aminopeptidase; leucinaminopeptidase; leucinamide aminopeptidase; FTBL proteins; proteinates FTBL; aminopeptidase II; aminopeptidase III; aminopeptidase I.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA