

# Recombinant Aeromonas Aminopeptidase

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

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b>    | 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 α-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. |
| <b>Species</b>             | Aeromonas                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>              | Aeromonas Proteolytica                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Physical Appearance</b> | Sterile filtered liquid formulation. (446U/ml).                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>              | Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>         | Buffered solution containing 10 mM Tris-HCL, 100 mM NaCl and 5 mM ZnSO <sub>4</sub> , pH 8.0.                                                                                                                                                                                                                                                                                                                                       |
| <b>Unit Defenition</b>     | One unit is defined as the amount of enzyme that hydrolyses 1μmole of L-leucine p-nitroanilide at 25°C per 1 minute.                                                                                                                                                                                                                                                                                                                |
| <b>Biological Activity</b> | Recombinant Aeromonas Aminopeptidase was found to have an activity of 120 Units/mg protein.                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>           | 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](mailto: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.

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