

**Product:** Aeromonas Aminopeptidase (AP), recombinant  
**Catalog #:** 12-4319  
**Amount:** 50 IU

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**DESCRIPTION:** Recombinant Aeromonas Aminopeptidase (rAP)  
The Enzyme (29 kDa) Aeromonas Aminopeptidase is used in the processing of pharmaceutical proteins produced by genetic engineering as well as for physical and structural investigations and for sequence and amino-terminal determinations. This exopeptidase recognizes a specific stop sign at -X- Pro and requires a free  $\alpha$ -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.

**SOURCE:** *Aeromonas proteolytica* expression system

**PURITY:** > 98%, as determined by:  
(a) Analysis by RP-HPLC  
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

**UNIT DEFINITION:** 120 Units/mg protein. One unit is defined as the amount of enzyme that hydrolyses 1  $\mu$ mole of L-leucine p-nitroanilide at 25°C per 1 minute.

**FORM:** Purified, in 2-5 mg/ml in 10mM Tris-HCL, 100mM NaCl, 5  $\mu$ M ZnSO<sub>4</sub>, pH 8.0.

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

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