

Product Data Sheet

Cat # RP-364

Recombinant Aeromonas Aminopeptidase

Size: 100 U

Source: *Aeromonas Proteolytica* 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. Buffered solution containing 10mM Tris-HCL, 100mM NaCl and 5µM ZnSO₄, pH 8.0.

Usage: This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

RP-364 120507P

Applications and Suggested Dilutions: Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: Two years when stored at -20 °C, 2 weeks at 4 °C. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.**Unit Definition:** 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.

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