

Data Sheet



Amidase (*Pseudomonas aeruginosa*)

Cat. No.	Formulation	Sales Unit
EAM01	lyophilized	100 mg – 1 g, bulk

For research use only.
Store at -20°C.

Application

Amidase is used in catalyzing hydrolysis of amides to acids.

Form

White powder, lyophilized.
Protein content ~30 %

Specifications

Name	Amidase (<i>P. aeruginosa</i>)
E.C.	3.5.1.4
Origin	prokaryotic
Source	recombinant, <i>E.coli</i>
pH Optimum	-
pH Stability	-
Temp. Optimum	-

Function

This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amides. The systematic name of this enzyme class is acylamide amidohydrolase.

Usage

Amidase EAM01 is supplied as powder, lyophilized from a solution in PBS, pH 7.4. For reconstitution, please add water or buffer to obtain the desired amidase concentration. For intermediate storage we recommend adding β -mercaptoethanol to a final concentration of 7 mM and 50% glycerol to the reconstituted amidase and a storage temperature at -20°C.

Specific Activity: >100 U/mg powder

Unit Definition

One unit will convert 1.0 μ mole of acetamide and hydroxylamine to acethydroxamate and ammonia per minute at pH 7.2 at 37°C.