

Amidase

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| Cat. No.: | HY-P2736 |
| CAS No.: | 9012-56-0 |
| Target: | Endogenous Metabolite |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

Amidase

BIOLOGICAL ACTIVITY

Description

Amidases, a member of nitrilase superfamily, catalyzes the hydrolysis of an amide, leading to the formation of carboxylic acid and ammonia. Amidases contain a conserved stretch of approximately 130 amino acids known as the AS sequence, and play a role in important metabolic processes^[1].

REFERENCES

- [1]. Weber BW, et al. The mechanism of the amidases: mutating the glutamate adjacent to the catalytic triad inactivates the enzyme due to substrate mispositioning. *J Biol Chem.* 2013 Oct 4;288(40):28514-23.
- [2]. Li W, et al. An Amidase Contributes to Full Virulence of *Sclerotinia sclerotiorum*. *Int J Mol Sci.* 2022 Sep 23;23(19):11207.
- [3]. Weber BW, et al. The mechanism of the amidases: mutating the glutamate adjacent to the catalytic triad inactivates the enzyme due to substrate mispositioning. *J Biol Chem.* 2013 Oct 4;288(40):28514-23.

Caution: Product has not been fully validated for medical applications. For research use only.

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