

## Ascorbate oxidase

Cat. No.:	HY-P2742
CAS No.:	9029-44-1
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Ascorbate oxidase

### BIOLOGICAL ACTIVITY

#### Description

Ascorbate oxidase, also known as vitamin C oxidase, is a REDOX enzyme involved in the regulation of extracellular matrix. Ascorbate oxidase catalyzes the reaction of ascorbic acid and oxygen to produce dehydroascorbic acid<sup>[1][2]</sup>.

### REFERENCES

[1]. De Tullio MC, et al. Ascorbate oxidase is the potential conductor of a symphony of signaling pathways. *Plant Signal Behav.* 2013 Mar;8(3):e23213. <https://pubmed.ncbi.nlm.nih.gov/23299329/>

[2]. Kim WS, et al. Measuring nitric oxide in single neurons by capillary electrophoresis with laser-induced fluorescence: use of ascorbate oxidase in diaminofluorescein measurements. *Anal Chem.* 2006 Mar 15;78(6):1859-65.

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

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