

Mercaptosuccinate Dioxygenase, a Cysteine Dioxygenase from *Paradoxa paradoxus* Strain B4 Is the Key Enzyme of Mercaptosuccinate

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Citation Report

#	ARTICLE	IF	CITATIONS
2	A jack-of-all-trades: 2-mercaptosuccinic acid. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4545-4557.	1.7	12
3	The Cysteine Dioxygenase Homologue from <i>Pseudomonas aeruginosa</i> Is a 3-Mercaptopropionate Dioxygenase. <i>Journal of Biological Chemistry</i> , 2015, 290, 24424-24437.	1.6	47
4	Influence of cysteine 164 on active site structure in rat cysteine dioxygenase. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 501-510.	1.1	18
5	Substrate and Cofactor Range Differences of Two Cysteine Dioxygenases from <i>Ralstonia eutropha</i> H16. <i>Applied and Environmental Microbiology</i> , 2016, 82, 910-921.	1.4	9
6	Proteomic analysis of organic sulfur compound utilisation in <i>Advenella mimigardefordensis</i> strain DPN7T. <i>PLoS ONE</i> , 2017, 12, e0174256.	1.1	3
7	Biochemical characterization and essentiality of fumarate hydratase. <i>Journal of Biological Chemistry</i> , 2018, 293, 5878-5894.	1.6	16
8	Nickel-substituted iron-dependent cysteine dioxygenase: Implications for the dioxygenation activity of nickel model compounds. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25564.	1.0	1
9	Substrate Specificity in Thiol Dioxygenases. <i>Biochemistry</i> , 2019, 58, 2398-2407.	1.2	25
10	Functional analysis of active amino acid residues of the mercaptosuccinate dioxygenase of <i>Variovorax paradoxus</i> B4. <i>Enzyme and Microbial Technology</i> , 2019, 120, 61-68.	1.6	8
11	Carbon-fluorine bond cleavage mediated by metalloenzymes. <i>Chemical Society Reviews</i> , 2020, 49, 4906-4925.	18.7	61
12	Spectroscopic Investigation of Cysteamine Dioxygenase. <i>Biochemistry</i> , 2020, 59, 2450-2458.	1.2	10
13	Characterization of the nonheme iron center of cysteamine dioxygenase and its interaction with substrates. <i>Journal of Biological Chemistry</i> , 2020, 295, 11789-11802.	1.6	19
14	Sulfur-Ligated, Oxidative Nonheme Iron Enzymes and Related Complexes. , 2021, , 333-377.		8
15	Structure and Functional Differences of Cysteine and 3-Mercaptopropionate Dioxygenases: A Computational Study. <i>Chemistry - A European Journal</i> , 2021, 27, 13793-13806.	1.7	12
16	Crystal structure of human cysteamine dioxygenase provides a structural rationale for its function as an oxygen sensor. <i>Journal of Biological Chemistry</i> , 2021, 297, 101176.	1.6	10
17	Structure of 3-mercaptopropionic acid dioxygenase with a substrate analog reveals bidentate substrate binding at the iron center. <i>Journal of Biological Chemistry</i> , 2021, 296, 100492.	1.6	12
19	Low-Spin Cyanide Complexes of 3-Mercaptopropionic Acid Dioxygenase (MDO) Reveal the Impact of Outer-Sphere SHY-Motif Residues. <i>Inorganic Chemistry</i> , 2021, 60, 18639-18651.	1.9	4
20	Charge Maintenance during Catalysis in Nonheme Iron Oxygenases. <i>ACS Catalysis</i> , 2022, 12, 6191-6208.	5.5	12

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21	Differences in the Second Coordination Sphere Tailor the Substrate Specificity and Reactivity of Thiol Dioxygenases. <i>Accounts of Chemical Research</i> , 2022, 55, 2480-2490.	7.6	5
22	Spectroscopic analysis of the mammalian enzyme cysteine dioxygenase. <i>Methods in Enzymology</i> , 2023, , 101-135.	0.4	0