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Publication Type: Journal Article

Year of Publication: 1988

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Journal: Biochemistry

Volume: 27

Issue: 22

Pagination: 8311-7

Date Published: 1988 Nov 1

ISSN: 0006-2960

Keywords: Binding Sites, Calcium, Electrochemistry, Metals, Models, Molecular, Molecular Structure, Protein Binding

Abstract: A weak Ca2+ binding site in the bacterial serine protease subtilisin BPN' (EC 3.4.21.14) was