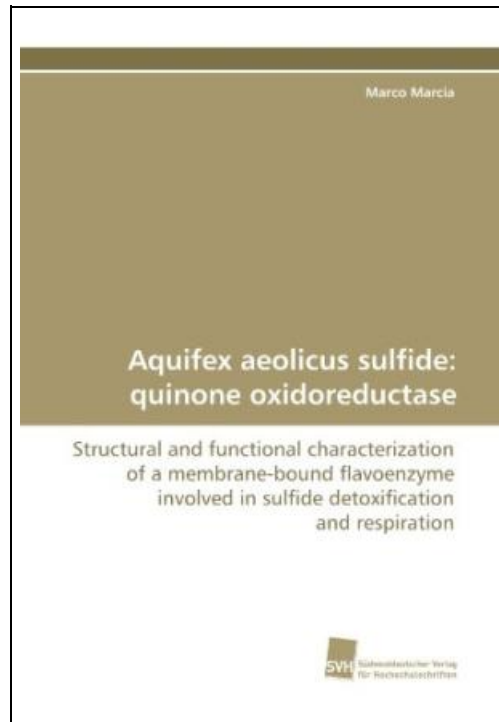


Aquifex Aeolicus Sulfide: Quinone Oxidoreductase



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Reviews

A superior quality book along with the font employed was exciting to see. It is one of the most amazing book i have got read through. You wont really feel monotony at anytime of the time (that's what catalogs are for about in the event you ask me).
(Santina Sanford)

AQUIFEX AEOLICUS SULFIDE: QUINONE OXIDOREDUCTASE

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Sudwestdeutscher Verlag Fur Hochschulschriften AG. Paperback. Condition: New. 264 pages. Dimensions: 8.7in. x 5.9in. x 0.6in. The membrane associated flavoenzyme sulfide: quinone oxidoreductase (SQR) has been essential in the early stages of life on Earth, when the organisms had to survive high sulfide concentrations in the environment. Interestingly, it has been successively conserved in many species belonging to all three biological domains, and also in humans, revealing that its activity in the cells is still crucial nowadays. In particular, SQR is involved in sulfide detoxification, in sulfide-dependent respiration and photosynthesis, in heavy metal tolerance and in the regulation of sulfide homeostasis in higher eukaryotes, where sulfide has recently been discovered to act as a neurotransmitter. However, despite its high microbiological and medical relevance, SQR had remained poorly characterized until now, so the understanding of its function was limited. This book describes the SQR from the hyperthermophilic bacterium *Aquifex aeolicus* in a detailed structural, biochemical and functional perspective, thereby offering for the first time a deep insight into its intriguing but complicated enzymatic reaction. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.

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